

# The CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MAY 22 1954

for  
Head Lice

Completely effective and non-irritant, 'Lorexane' Head Lotion is the ideal parasiticide to use against headlice. It contains gamma benzene hexachloride, and destroys the lice at the first application, protecting the patient against re-infestation for periods of up to three weeks. Because it is so safe and effective, the pharmacist can confidently recommend 'Lorexane' to the public, both for prevention and treatment.

Available in bottles of 50 c.c. Retail price 2/-  
(plus 4d. Purchase Tax)

Also in bottles of 500 c.c. and two litres.

Concentrated form is also available as 'Lorexane'  
 concentrate, in bottles of 50 c.c. and 500 c.c.



## 'LOREXANE'

Trade Mark

HEAD  
LOTION

IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED

a company of Imperial Chemical Industries Limited

WILMSLOW, MANCHESTER



Now being introduced  
to the  
Medical Profession

# SECRETIN MEBIOL

The Duodenal Hormone  
purified, standardised and  
physiologically controlled  
*for stimulating*

## PANCREATIC & BILIARY SECRETION

After years of research and experiment, SECRETIN, the Duodenal Hormone, is now being produced in our laboratories on a commercial scale.

Under the Trade Mark SECRETIN MEBIOL, this distinguished preparation is being introduced to

the Medical Profession and a steady demand is confidently anticipated.

The preparation is packed in boxes containing 6 vials of Secretin and 6 of solvent.

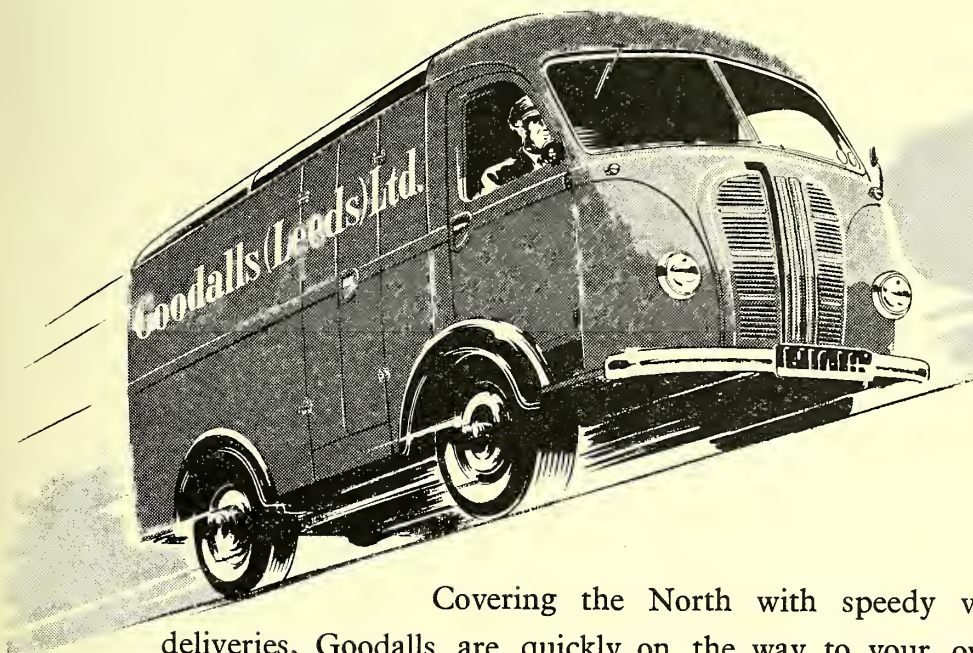
Your order may be placed direct or through your usual wholesaler.

**MBL**

MEDICO-BIOLOGICAL  
LABORATORIES LTD.

CARGREEN ROAD, LONDON, S.E.25

**Your orders quickly  
on their way!**



Covering the North with speedy van deliveries, Goodalls are quickly on the way to your own particular district. Comprehensive stocks on the premises enable your requirements to be supplied immediately from stock in most cases. Ring or write for real service!

DRUGS, ETHICALS, PHARMACEUTICALS  
CHEMISTS' SUNDRIES AND  
PACKED SPECIALITIES

**Goodalls (Leeds) Ltd.**

PHOENIX WORKS · SHEEPSCAR STREET SOUTH · LEEDS. 7

Telephone : LEEDS 31951

# Aspirin toleration

## *The answer*

The answer to the acidity and low solubility of aspirin, and to those gastric and systemic disturbances which sometimes hamper aspirin therapy, is *stable* calcium aspirin taken in solution. This 'Disprin' tablets provide.

Disprin not only overcomes the two well-known defects of ordinary aspirin ; but also that of calcium aspirin as generally prepared, which is a liability to chemical breakdown during manufacture and storage. In the form of Disprin, dosage with calcium aspirin becomes both predictable and palatable.

As Disprin, therefore, aspirin can now be administered in bland, complete solution. Extensive clinical use in leading hospitals shows that, except in cases of extreme hypersensitivity, Disprin is well tolerated even in large amounts given over prolonged periods.

# DISPRIN

REGD.

*Provides stable, soluble, palatable calcium aspirin*

*At your finger tips.....*



**.....BUMPER  
SUMMER SALES**

*Medical Beauty Products on Bonus Terms*

Throughout the spring and summer our wonderfully successful twice weekly programme "Dreamtime" from Radio Luxembourg will feature

Crookes Lacto-Calamine, now available only in 4 oz. bottles, the new Crookes Hand Cream—the

product which the Mount Everest climbers chose to use on their faces and hands—and the brand new Crookes Hand Lotion which, we are confident, will prove yet another winner in our range of Medical Beauty products.

Full particulars of the new display material, dressed window shows, bonus terms, etc., etc., will be supplied on request.



**PATA**

**CROOKES**

**CROOKES**

**Lacto-Calamine**  
*Hand Cream & Lotion*

---

THE CROOKES LABORATORIES LIMITED · PARK ROYAL · LONDON NW10

## DUAL PURPOSE FEEDER



This is sold complete with the "SKYLON" brand valve teat and NO-GERM CAP. It combines all the benefits of a feeding bottle with the advantages of a food measure. Additionally the wide neck permits of easier filling, and the large teat allows the nearest approach to natural feeding



Regd. Trade Mark

## "SKYLON" POLYTHENE FEEDING BOTTLE

**PATA**

The new modern lightweight feeding bottle that no mother should be without. Indispensable at all times. Made of Pure Polythene. Safe and

- UNBREAKABLE
- HYGIENIC
- TASTELESS
- ODOURLESS

**UNAFFECTED BY FOODSTUFFS**  
All standard teats fit neck. Will keep contents warm longer than any glass bottle



Obtainable from your usual Wholesaler

Manufactured by

**FIBRENYLE LTD.**

157 DUKES RD., LONDON, W.3  
TELEPHONE : ACORN 5073

## FERROUS GLUCONATE

*... iron in its most easily  
assimilated form — has now  
been added to the range of*

*KEMBALL, BISHOP  
quality products*

*Supplies immediately  
available on  
application to:-*

**KEMBALL, BISHOP & CO., LTD.**

CROWN CHEMICAL WORKS · THREE MILL LANE · BROMLEY-BY-BOW · LONDON · E.3  
Tel: ADVANCE 1234 (7 lines) ESTABLISHED 1870 Grams: KEMBALL, BOCHURCH, LONDON

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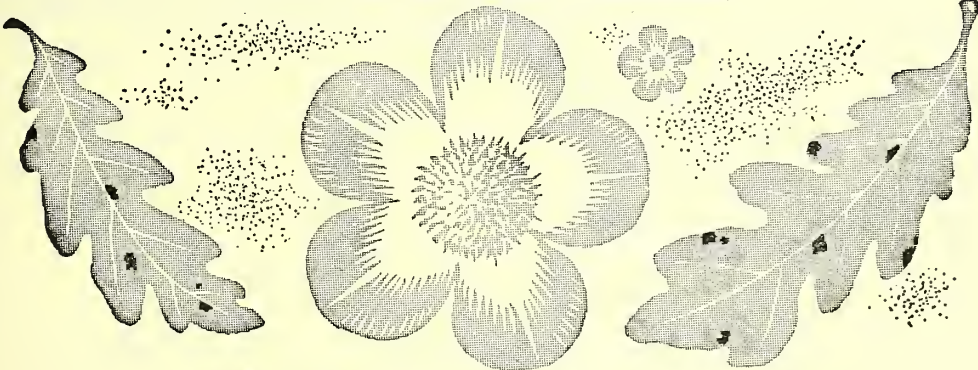
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(continued overleaf)

# 'ANCOLAN'

TRADE MARK

(Tablets each containing 25 mg. meclozine dihydrochloride)



## THE B.D.H. ANTIHISTAMINIC IN HAY-FEVER

Notable for its long duration of action. Ancolan is exceptionally well tolerated. Treatment is inexpensive—effective dosage in average cases is one to two tablets daily for one week, thereafter one tablet daily if required. Ancolan will also be prescribed in: Urticaria, Motion Sickness,

Angio-neurotic Oedema, Allergic Dermatoses, Pruritus and Allergic Conditions of the Eye.

	PHARMACISTS	RETAIL
Tablets (scored) 25 mg. Bottles of 25	3/8	5/6
" " " " " " 250	32/6	48/9

THE BRITISH DRUG HOUSES LTD. LONDON N. 1

ANCL/T/541

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*From the Carnegie Range of Fine Chemicals*

# ISOPRENALINE SULPHATE B.P.

**CARNEGIES OF WELWYN LTD**

Telegrams : 'CARNEGIES, WELWYN GARDEN CITY'

Telephone: WELWYN GARDEN 5001

(6 lines)



**NOW FOR THE FIRST TIME  
IN THIS COUNTRY**

**MURINE**

**The World's largest-selling  
eye preparation**



**2 drops—quick relief**

Just 2 drops of Murine in each eye gently wash away dust, dirt and other irritants. Murine is simple to use, safe to use, pleasant to use.

**The new, hygienic way to relieve tired eyes.**

Developed by two eye specialists in the United States, Murine is an isotonic collyrium—its 7 scientifically tested ingredients are blended to match the natural eye fluids. Thus drops of Murine cleanse and soothe the eyes without shock, and actually complement the antiseptic lubricants of the eye itself.

#### **Murine in the 'Public eye'**

Starting next month—a strong publicity campaign for Murine in the national daily and Sunday press! Murine advertisements will be seen by millions of men and women of every age in every walk of life. Everyone gets tired eyes at times. From June onwards the public will be told again and again that the modern, hygienic way to relieve tired eyes is with Murine: 2 drops—relief in a wink.

#### **STOCK UP WITH MURINE NOW!**

Each bottle of Murine holds 240 drops and retails at 3/10 (complete with dropper in a sealed envelope). Order now from your usual wholesaler and have Murine on your counter before the advertising starts.

*Sole Distributors in the United Kingdom*

**A. J. WHITE, LIMITED**

COLDHARBOUR LANE · LONDON · S.E.5

# Arthur H. & Co. Ltd.

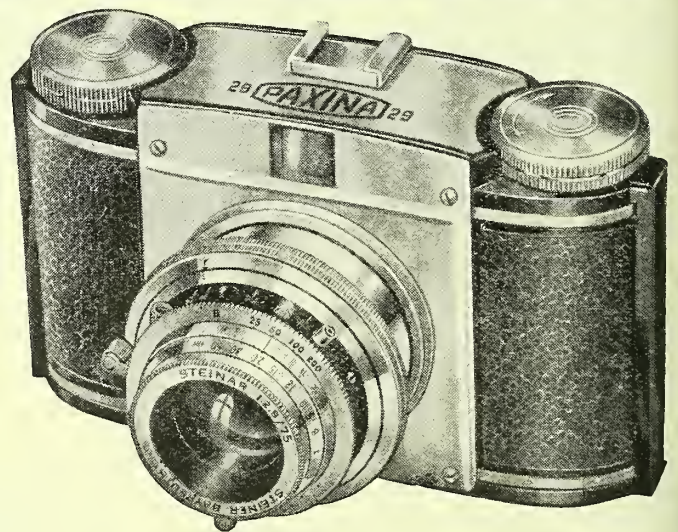


## THE FINEST VALUE IN 2¼" x 2¼" CAMERAS

This new Paxina is a fine example of camera craftsmanship, smart, modern, and with a remarkable specification. Takes 12 2¼ in. x 2¼ in. pictures on size 20 roll film, f/2.9 anastigmat lens and flash synchronised Pronto shutter. Speeded B. 1/25th, 1/50th, 1/100th and 1/200th sec. and delayed action device. Cable release socket. Modern telescopic lens extension. Optical viewfinder, rangefinder shoe. Strong die-cast body, leather covered, with smart chrome trim and excellent finish in all details. Tripod bush.

**ONLY £14:14:0**

Leather Ever-ready Case	- - - -	£2:14:4
Lens Hood 34mm.	- - - -	13:3
Filter Mount 34mm.	- - - -	9:0
Colour Filters 31mm. All colours		
except Red	- - - -	5:9
Red	- - - -	9:9



### PAXINA 29

*We recommend Ferrania P3 or S2 Superpanchro film for Paxina 29*

## NEVILLE BROWN & COMPANY LTD

77 NEWMAN STREET · LONDON · W.1. Telephone: LAngham 7161 (10 lines)



# SURGICAL STOCKINGS

**Your customers' preference**



*Lastestar*  
FULLY FASHIONED

*Litenet*  
ELASTIC NET

- **Designed-to-Measure**
- **Maximum Comfort**
- **Minimum Weight**
- **Almost Invisible**

**Invaluable During Pregnancy**

**A VITAL AID FOR VARICOSE VEINS**

*For MEN a suspender is supplied if required*

Wholesale and Export Enquiries:—

**F. LONGDON & COMPANY LTD., AGARD ST., DERBY**

Telephone : 48253 (4 lines). Telegrams : ELINSTAR, DERBY.

**ON MAY 24, BRISTOW'S**  
**5,000,000**  
**in this DAILY EXPRESS**

...the good news will be  
 spread by further large space  
 announcements in the other  
 great National Dailies during  
 May and June

NEW Bristow's Lanolin Powder Shampoo —  
 NEW Bristow's Lanolin Liquid Shampoo —  
 both in single-shampoo packs.

It's what your customers have been waiting  
 for. Display Bristow's Big Three on your  
 counters — and see how they sell!

*Bristow's Big 3*  
*for big business..*

**LIQUID • POWDER • CREAM**  
**LANOLIN SHAMPOOS**

... MILLION

now con



★ to  
 to ma

BRISTOW'S LIC  
 LANOLIN for  
 that tempts  
 because it re  
 livelier with  
 LIQUID, PO  
 condition

B

# NEWS WILL BE SEEN BY WOMEN page . . .

## BRISTOW'S CREAM SHAMPOO

powder!  
now comes liquid!

BRISTOW'S LANOLIN  
SHAMPOO. A fine,  
foam which dissolves  
easily, giving masses of  
lather to make hair  
brighter, behave

4  $\frac{1}{2}$  D



NEW BRISTOW'S LANOLIN  
LIQUID SHAMPOO . . . here  
is the famous Bristow's  
LANOLIN Shampoo  
formula converted to a  
Liquid, to give lustrous  
beauty to your hair.

6 D

Shimmer with radiance..  
it has never been before!

Heavenly trio of Shampoos—all with LANOLIN.  
Texture. LANOLIN for vital, healthy hair  
to make your hair pliant and easy-to-set  
ing. Everyone agrees that hair looks lovelier,  
! Wonderful to be able to choose between  
—Bristow's Shampoos

OW'S  
shampoos

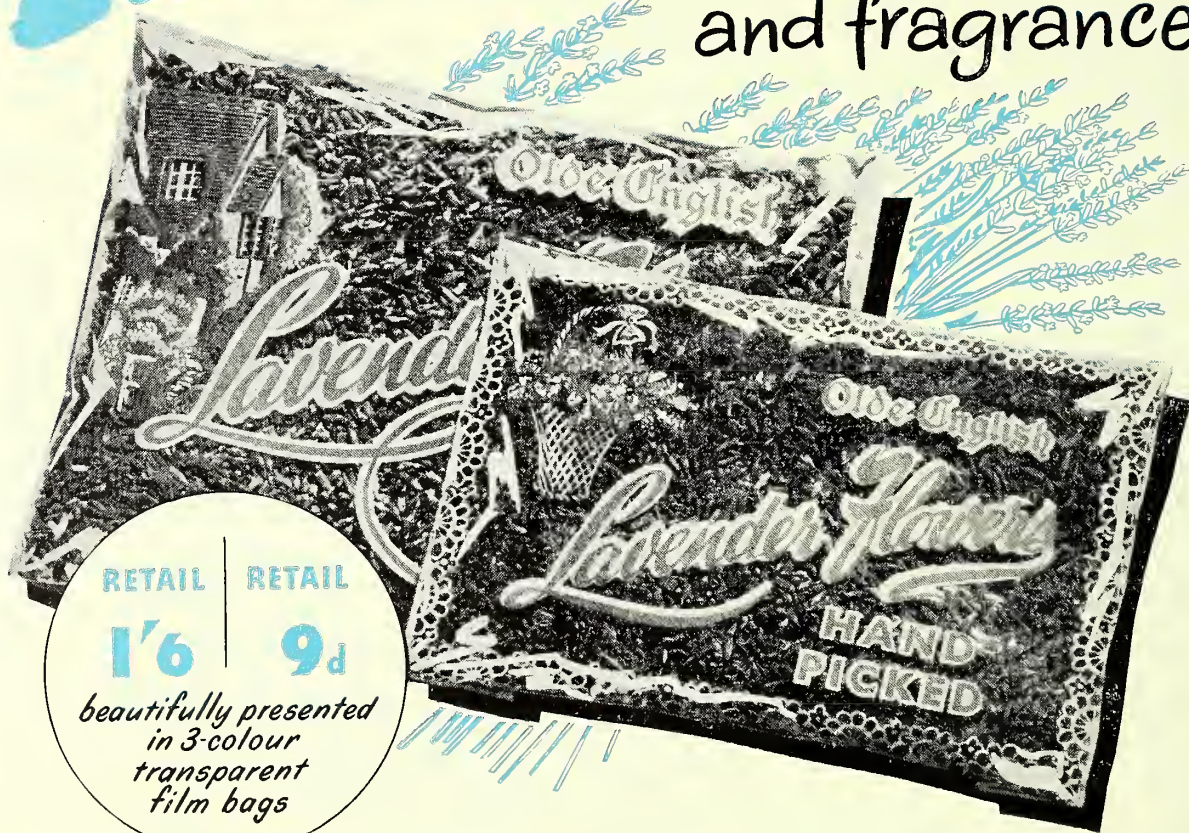


★ IT'S THE LANOLIN THAT DOES IT!

*A LINK WITH TRUE ENGLISH TRADITION*

# Old English Lavender Flowers

- full bloom  
and fragrance



RETAIL | RETAIL

1'6

9d

*beautifully presented  
in 3-colour  
transparent  
film bags*

**ORDER TODAY  
FROM YOUR USUAL  
WHOLESALE!**

Many thousands of people find the delightful old world fragrance of real English lavender flowers irresistible, so you can be certain of a ready sale and good profits if a few packets are displayed in your windows and on the counter.

BUT be sure to order early because supplies are not unlimited.

ALL WHOLESALE ENQUIRIES TO:

**ALFRED FRANKS & BARTLETT CO. LTD**  
226/8 GRAYS INN ROAD • LONDON • W.C.1    TERminus : 9865-8

# \* Everybody wants that Free Spa Holiday!

YOU'RE REALLY  
GOING PLACES  
WHEN YOU BUY—

Spa

YOU'LL BE PROUD  
OF YOUR TEETH  
AND PROUD OF YOUR  
TOOTHBRUSH TOO!

A MAGNIFICENT HOLIDAY  
FREE FOR YOU

Look for this SPA Counter  
Display and get full details

HOW TO WIN YOUR FREE HOLIDAY  
£100 Holiday Cash

It's so simple. All you have to do is look for this striking Spa display—buy yourself a Spa Toothbrush Bristle 2's, yourself a Spa Toothbrush Bristle 1's. This immediately Sparkles you to enter the Spa Holiday Competition—the simplest Competition you could wish for with a first prize you have dreamed about—a magnificent Holiday for you and your family—FREE £100 Holiday Cash to spend when and how you wish and there are 500 Travel Prizes for the runners-up.

You can certainly go places with Spa this year, if you buy your Spa toothbrush NOW!

MANUFACTURED BY SPA BRUSHES LIMITED  
TOOTHBRUSHES • DENTAL BRUSHES AND TOILET BRUSHES

- We're up to our necks in entry forms
- Busy sending out repeat orders for Spa Toothbrushes
- Patting ourselves on our backs
- Happy as grigs because this is just what we said would happen.

All Spa stockists who have tied in with this exciting Competition Campaign are just as happy—or happier even—than we are. The sales are just rolling in. If you haven't yet tied in, send for details right now, today, by the very next post. Don't waste valuable sales-making days. Get in on this vast Spa sales-snowball quickly! Write to Spa Brushes Limited, Freeman Works, Chesham, Bucks.

Get in on this vast **Spa** sales-snowball quickly!

**COMING  
SHORTLY**

Right on the heels of this campaign comes a new Spa Competition campaign that will rush millions into buying a new Spa toothbrush. You've never seen anything quite as new, quite as different, quite as exciting, quite as human before ... or such hard selling.

*We'll be telling you!*

**Back again!**

**A  
happy  
return**



Trade Price: 11/6 per dozen bottles.  
Retail: 1/3 per bottle.  
*Good! It's Mason's*  
—good for thirst and good for trade.



**MASON'S  
EXTRACT OF HERBS**

for the home-brewing of refreshing, non-intoxicating herbal beer.

The slogan "Good! It's Mason's," first used in connection with Extract of Herbs, has been famous for upwards of 100 years.

Here, then, is a tried and tested favourite in a new and most attractive pack. Advertising and a healthy thirst create demand.

**NEWBALL & MASON LTD**  
BEECH AVENUE : NOTTINGHAM

# NEGASPASM

The new approach to the treatment of

## ASTHMA AND CHRONIC BRONCHITIS

which is rapidly gaining the support of the Medical profession

Available in handy sized dispensing packs

Please note the name of the Manufacturers and Sole Distributors

**GEE CROSS LABORATORIES LTD**  
Hyde · Cheshire

Telephone: HYDE 1636

Telegrams: Lovat

ESTABLISHED 1793

## ATKINSON & BARKERS INFANTS' PRESERVATIVE

The Infants' Medicine of 150 years' standing

For teething and digestive troubles

**ROBERT BARKER & SON LTD**  
13 ALISTAIR STREET, MANCHESTER, 1

## CROWN YOUR PHOTOGRAPHIC SERVICE WITH SUCCESS

You can rely on a high class Developing and Printing Service combining quality with speed by taking advantage of that offered by

### TEMPO LABORATORIES LTD.

80 ST. JOHNS ROAD, TUNBRIDGE WELLS

MAIL ORDERS DESPATCHED SAME DAY

We are also LICENSED AGFACOLOR FINISHERS to the trade

**No fixing · No clipping**  
just build them up to suit your space

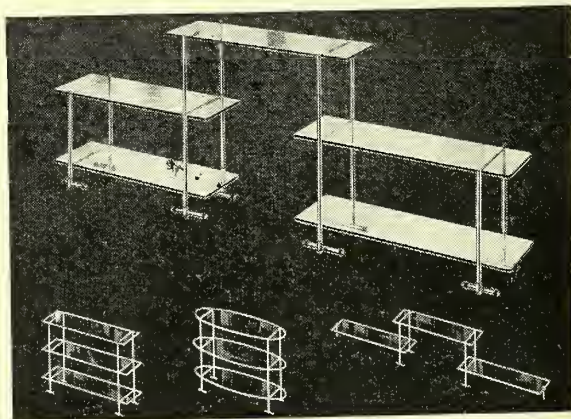
**GUPWELL**

## DISPLAYTHINGS

No. 570. Patent Display Tiers, Designed to carry 8" shelves, Chromium plated finish

Write for catalogue of Displaythings

**A. J. GUPWELL (SHOPFITTERS) LIMITED**  
123 BRADFORD STREET, BIRMINGHAM 12

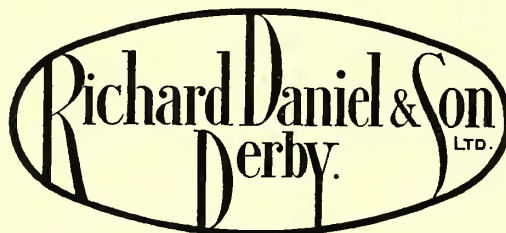


# PENICILLIN PREPARATIONS

- LOZENGES
- TABLETS
- OINTMENTS
- AIDS TO DISPENSING OUTFITS for CREAM and DROPS

Price List on application

MANUFACTURED BY



**MANSFIELD ROAD, DERBY**

And at GROSVENOR ST., ASHTON-U-LYNE

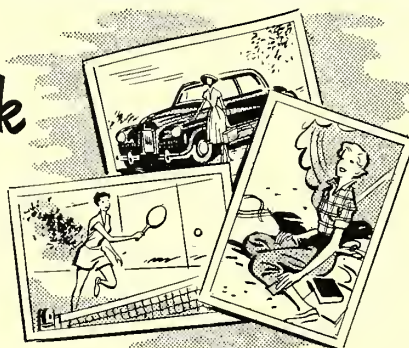
Tel.: 48266 (4 lines)

Tel.: 2816 (3 lines)

"What is **Vensilla**?" you ask

"AND WHAT SIZE THE MARKET?"

You want Vensilla, a pure snow-white cellulose towel, for this market—the thousands upon thousands of young women who are holidaying, travelling, relaxing in the country, playing on the games field—in fact, wherever the need exists for a towel for easy disposal.



What better towel for a woman than one which is so highly absorbent and comfortable, too? And what better towel for you than one which can bring you extra profits? Get a supply of Vensilla now, and get your share of the vast summer demand.

**Vensilla** CELLULOSE TOWELS

Regd.

ROUNDED ENDS • WOVEN GAUZE COVERS • SECURELY TIED LOOPS

Also SILCOT COTTON WOOL TOWELS

SILCOT SINGLE TOWELS

SILCOT SANITARY BELTS (all-elastic, adjustable, with nickelled steel loops).

MACDONALD & SON LTD • HOPE MILLS • POLLARD STREET • MANCHESTER 4

# Stock **LUCOZADE**

for the **POPULARITY OF IT!**  
for the **SHEER PROFIT OF IT!**

Lucozade is the drink with the difference. First and foremost it is an *energy* drink, containing Glucose — *it does good and tastes good!* That is why Lucozade has its weekly place on millions of shopping-lists throughout the country.

The current Lucozade advertising has a record amount of really large spaces in the press, on posters—and is seen regularly on cinema screens throughout the country. Big, bold, convincing advertising! It's aimed to help *you*, to increase your sales and your profit. Keep up your stocks by sending off another order today.



**YOU'LL SEE THIS HALF PAGE ADVERTISEMENT**  
**in the DAILY EXPRESS on MAY 26th**  
**IT WILL BE READ BY 10,000,000 PEOPLE!**

for the **ENERGY OF IT!**  
... for the **sheer PLEASURE OF IT!**

drink **LUCOZADE**

Historic! Famous sportsmen and athletes have used Lucozade for its energizing and refreshing qualities. It is the perfect drink for those who are tired and need a quick boost of energy. It is also a delicious and healthy drink for all.

Millions of healthy families do! Lucozade is a delicious and healthy drink for all. It is the perfect drink for those who are tired and need a quick boost of energy. It is also a delicious and healthy drink for all.

**FOR DRINK**  
**FOR BAKES**  
**FOR DRINK**

**LUCOZADE**  
the sparkling glucose drink

**IT'S BIG PROFIT TIME FOR LUCOZADE STOCKISTS**  
**ORDER NOW!**

**Entirely  
NEW!**

**Sell-on-sight Foot Relief  
Fantastically Fast Seller!**

# Dr. Scholl's <sup>SUPER-SOFT</sup> BALL-O-FOOT

**cushion**

**SUPER-SOFT**

Made of wonderfully soft, flesh-coloured Latex Foam, Invisible in wear. Washable. Hygienic. Specially tailored loop fits snugly over toe. No adhesive.

**SUPER-SOFT**

Note double thickness for extra soft cushioning. Scalloped inner edge gives utmost comfort in wear.

Totally different from any other device ever invented for quick relief of painful callouses, burning, tenderness at ball of foot.

Never before anything like it! A scientifically designed tailored cushion of Latex Foam. No adhesive, no strapping, no fitting problem.

Outstrips anything ever introduced for quick turnover in simple foot appliances. The public see it, feel it, want it, buy it . . . it's Dr. Scholl's. 2 sizes only—large and small. Free metal counter stand with order for 2 dozen.



3/3d per pair Retail. 26/- dozen Wholesale. 1/1d profit per sale (No Purchase Tax).

**Dr. Scholl's Huge National Advertising Campaign  
now opening! ORDER NOW!**



Free all-metal display stand with order for 2 Doz. pairs of Dr. Scholl's Super-Soft Ball-o-Foot Cushions. Few square inches of counter space . . . sells sensationally fast!



**And this quick profit-maker too!**

**Dr. Scholl's  
"Soft-Step"**  
BALL-O-FOOT CUSHION

A single layer cushion of white Latex Foam. Retail 1/6d. pair. Wholesale 12/- doz. Your first order for 2 doz. pairs qualifies for FREE all-metal counter stand. One standard size only. Sure to be fast sellers.

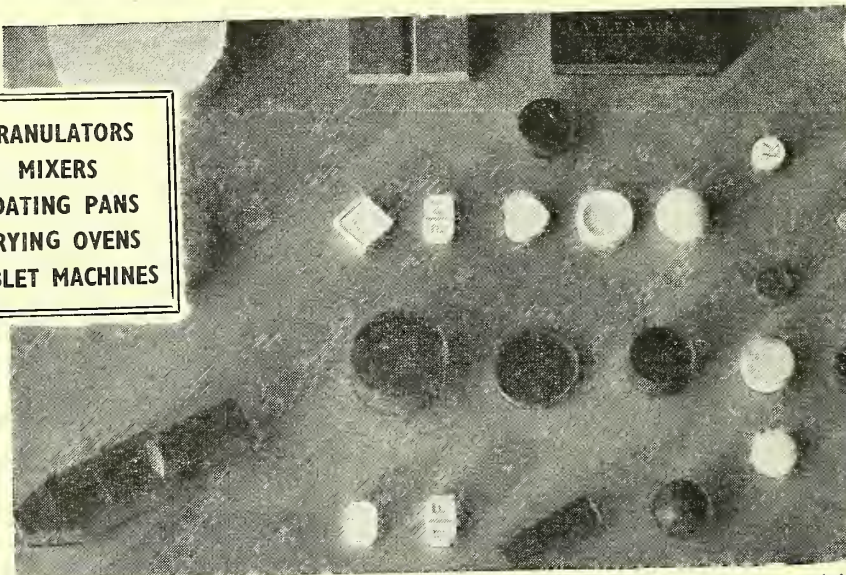


**THE SCHOLL MFG. CO. LTD., 182-204, ST. JOHN STREET, LONDON, E.C.1**

**MANESTY**

# Tablet machines

GRANULATORS  
MIXERS  
COATING PANS  
DRYING OVENS  
TABLET MACHINES



## PUNCHES & DIES FOR ALL TABLET MACHINES

IN  
STEEL, PHOSPHOR BRONZE  
and TUNGSTEN CARBIDE

MANESTY MACHINES LIMITED have behind them over 40 years' experience in making Punches and Dies, and know the best steels and other metals to use, the correct hardening procedure and the best limits to work to.

Extensive alterations to the Punch and Die Department, including the installation of a large number of precision machines, enable prompt deliveries to be made.

★★★ Have you this book? "Tablet Making" — An authoritative volume by A. Little & K. A. Mitchell. 123 pp. 47 illus. 31 formulae. Cloth bound. 15/- net. Post free.

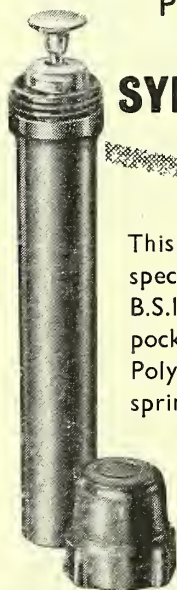
## MANESTY MACHINES LIMITED

DEPT. 5b, SPEKE, LIVERPOOL 19

Telephone: Hunts Cross 1972

Telegrams: Manesty Liverpool 19

### New! Pocket-Size INSULIN SYRINGE CASE



This new, plastic syringe case, specially designed for the new B.S.I. 1619 Insulin Syringe is pocket-size and spirit-proof. Polythene washer and retaining spring hold syringe firmly in the spirit. For syringes up to 2cc. size.



**SURGICAL EQUIPMENT SUPPLIES LTD**  
WESTFIELDS ROAD, LONDON, W.3

To introduce

### NURSE HARVEY'S BABY POWDER

the powder containing pure

### OLIVE OIL

we are embarking on a strong campaign in the women's magazines, reaching over eight million readers

EVERY MOTHER  
IN THE COUNTRY  
WILL KNOW ABOUT THIS  
OLIVE OIL BABY  
POWDER!

through the forth-  
coming continuous  
advertising.

BE READY TO SATISFY  
THE GROWING DEMAND  
FOR THIS EXCELLENT  
LINE. SOMETHING NEW  
IN TOILET POWDERS.

Generous trade terms and attractive  
display material available from —

O. Scruton & Co. Ltd., York



MADE BY THE MAKERS OF THE FAMOUS NURSE HARVEY'S MIXTURE

# REMINGTON 50/50 PLAN means equal shares for ADDED BUSINESS!

This permanent 50/50 Plan is part of the most powerful selling campaign ever in electric shaver history. It will be launched this month on a nation-wide basis with a salvo of hard-hitting large space national press and magazine advertisements, backed by a forceful range of display material and a 50/50 Dealer advertising Scheme. The 50/50 Plan, under which 25/- allowance is made on old electric shavers, any model any make, is fully explained in a special folder which tells you how, by linking up with the scheme, **YOU CAN CONTINUOUSLY INCREASE YOUR SHAVER BUSINESS.**

**POWERFUL  
IMPACT OF WIDESPREAD  
NATIONAL ADVERTISING  
DIRECTS EXTRA BUSINESS  
TO YOUR STORE**

## SEND FOR THIS DISPLAY MATERIAL

Put your shop in the picture NOW by sending for this new range of 50/50 Plan display material including Window Streamers, Counter Cards and Leaflets.

Save on  
your  
Shaver!

**25/-**  
ALLOWED ON YOUR OLD ELECTRIC SHAVER  
AGAINST THE PURCHASE OF A  
**REMINGTON 60**  
The World's Finest Shaver

and direct the demand  
right into your store!

Save on  
your  
Shaver!

BRING IN YOUR OLD ELECTRIC SHAVER  
any model - any make  
AND PART EXCHANGE IT FOR A **BRAND NEW**

**REMINGTON 60**  
AND MAKE SHAVING A PLEASURE

WE GIVE YOU **25/-** ALLOWANCE

THE FINEST SHAVING IN  
THE WORLD'S FINEST SHAVER



## HEAVY NATIONAL CAMPAIGN

Continuous and forceful advertisements in the following National publications will ensure widespread public attention and demand:

'NEWS OF THE WORLD'  
'PEOPLE'  
'SUNDAY EXPRESS'  
'SUNDAY DISPATCH'  
'DAILY EXPRESS'  
'DAILY MAIL'  
'DAILY HERALD'  
'DAILY MIRROR'  
'NEWS CHRONICLE'  
'DAILY TELEGRAPH'  
'EVENING NEWS'  
'EVENING STANDARD'  
'RADIO TIMES'  
'REVEILLE' weekend

'REVEILLE' Mid-week  
'WEEKEND MAIL'  
'PICTURE POST'  
'ILLUSTRATED'  
'JOHN BULL'  
'EVERYBODY'S'  
'TIT-BITS'  
'WIDE WORLD MAG.'  
'MEN ONLY'  
'LILLIPUT'



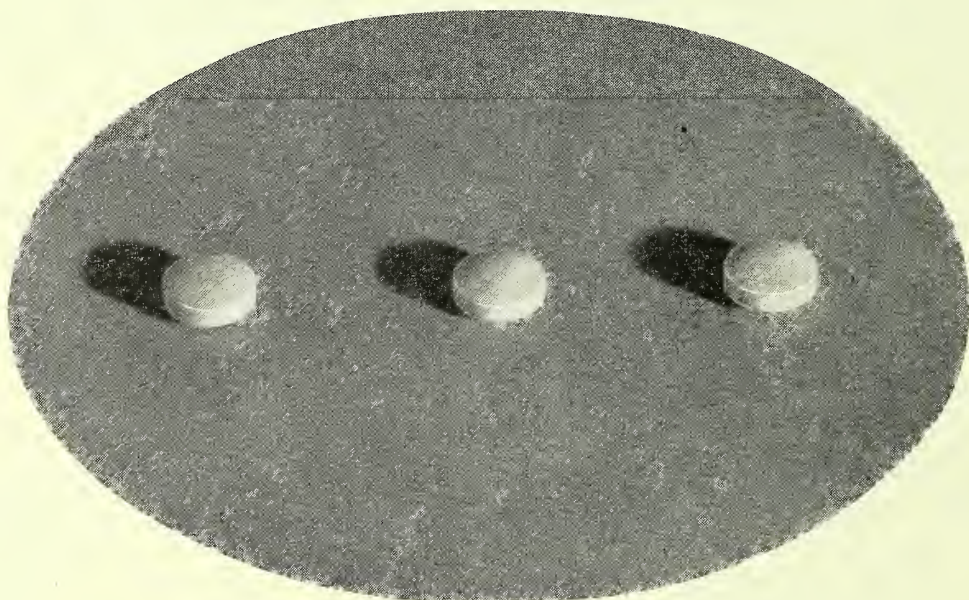
If you have not already received details of this extra Business promotion, write now to:

**REMINGTON RAND LTD., Dealer Wholesale Division, 1-19 New Oxford Street, W.C.1**

Consistent . . . . . every one alike!

Shape, weight, appearance and above all active ingredients.

No matter whether it be hundreds, thousands, or millions, the quality of Thompson & Capper's Tablets is something the pharmacist doesn't have to worry about.



THOMPSON  
AND  
CAPPER  
FOR  
TABLETS

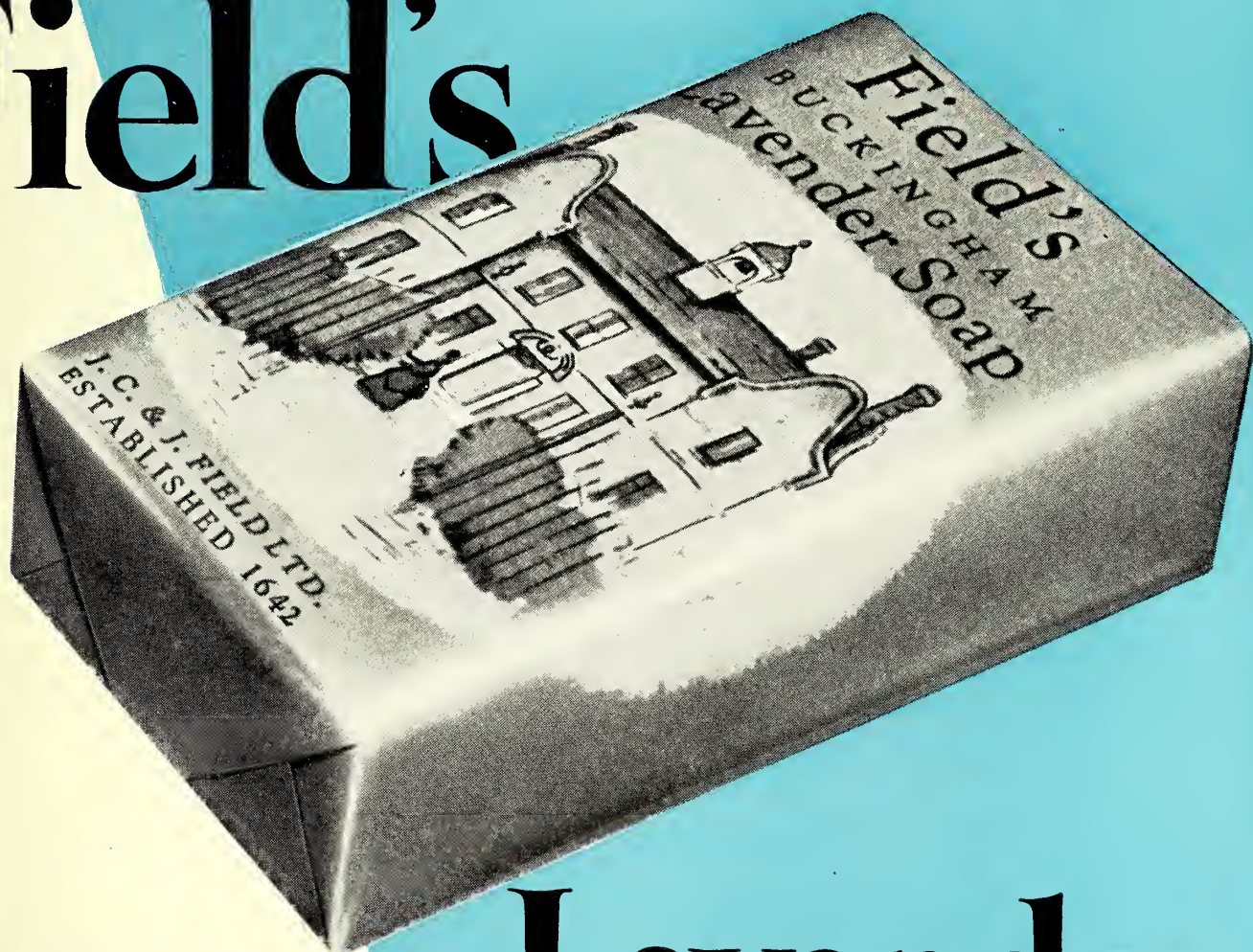
# Sell more soap at 10<sub>D</sub> *and increase turnover*

The quickest and easiest way to increase your turnover by 66 per cent is to sell 10d. soap instead of 6d. soap.

No soap at 10d. is easier to sell than Field's. It is full of very strong, very fresh lavender perfume. It is supported by more and more powerful, full-colour full page advertisements. It is most attractively packed.

*Display Field's and increase your turnover.*

# Field's



# BUCKINGHAM

# Lavender

# Quality in White Flint Glass Containers

## DISPENSING BOTTLES

1-oz. to 20-oz.

## BOW-FRONT PANELS

1-oz. to 8-oz.

## TABLET BOTTLES

Nos. 1 to 7½ sizes.

## ROUND SCREW JARS

Tall and Semi-squat.

## RIBBED OVALS

½-oz. to 16-oz.

## PANELLED FLATS

1-oz. to 4-oz.

## OLIVE OIL BOTTLES

2½-oz., 5-oz. & 10-oz.

## VIALS

½-oz. to 3-oz.

WHOLESALE ONLY

*Bow-Front Panels now also available  
in 16 oz. size.*



Bow Front Panels

## NATIONAL GLASS WORKS (YORK) LTD.

FISHERGATE, YORK, ENGLAND.

Cables: NATIWORX York.

Also at 105 HATTON GARDEN, LONDON, E.C.1.  
Cables: NATIWORX SMITH, London.

TRADE



MARK

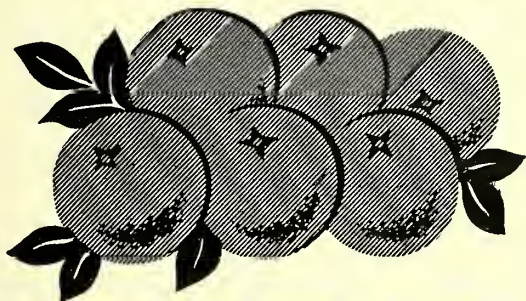
- Prompt delivery from stock
- Packed in easily handled cartons

*"It's wonderful!"*

**"Sun-tang"**  
REGD.



Made from **WHOLE**  
fresh Oranges  
plus **SUGAR**  
and **GLUCOSE**  
**concentrated**  
**or sparkling**



Ideal for every occasion

SOLE MAKERS

**BARNETT & FOSTER LIMITED**

*Established in the Year 1858*

"NIAGARA" WORKS, EAGLE WHARF ROAD, LONDON, N.I. Telephone: CLIssold 7132  
*Also Makers of "Niagara" Blackcurrant Syrup.*

*advance exposure!*

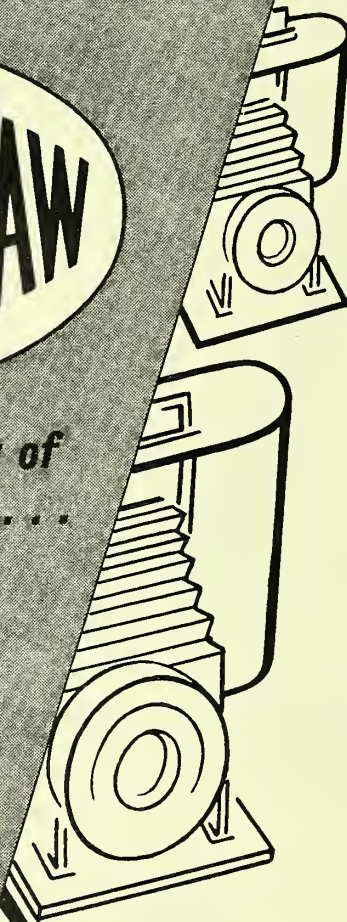


*give you an exciting preview of  
the shape of things to come . . .*

**THE G.B.-KERSHAW RANGE  
OF CAMERAS**

UP-TO-DATE . . . UP TO STYLE  
UP TO THE DEMANDS  
OF THE MODERN MARKET

**WATCH OUT — they mean business**



**AND THEY'RE  
COMING SOON,  
SO — BE SURE —  
with G.B.-KERSHAW!**

Distributed by **G.B. EQUIPMENTS LTD.**, Photographic and Optical Division  
Dept. CD/5/54, Mortimer House, 37-41 Mortimer St., London, W.1. MUSEum 5432

^ Member of the British Optical and Precision Engineers' Group

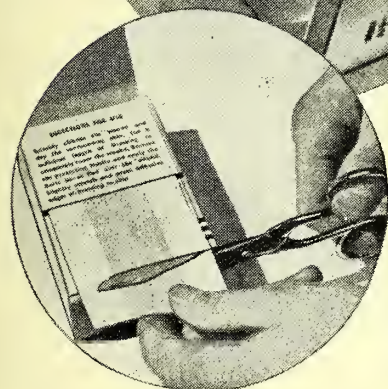
Within the J. Arthur Rank Organisation



*Introducing* **HELVIA**  
FLEXIBLE  
FIRST-AID DRESSING



*in the NEW  
Extra Hygienic  
Pack!*



- Ideal for Home, Sport, Motoring, and all occasions when a small pack is required.
- Made up in continuous lengths of 1 yard  $\times$  1½", 2½" and 3" wide.

This attractive new pack is of the enclosed 'pull out' dispenser type. More hygienic because the bulk of the dressing is completely protected and untouched by hand, and more convenient because there are no odd strips or loose patches—you simply snip off the exact length as and when required. Arrange now through your WHOLEALER to stock and display HELVIA—the last word in modern First-Aid Dressing.

★ Sold only through Leading Chemists

**LESLIES LTD.** WALTHAMSTOW LONDON E17  
Estab. 1823

During the Summer...

# 68 MILLION ADVERTISEMENTS

WILL FEATURE THE

## Quosh GIRL

—YOUR NEW SALES ASSISTANT!

She'll be winning sales through the Press; London Posters, Cinema Screens and New Colourful Display Material... She's going over in a BIG way... Make use of her services!

**7<sup>D</sup> PROFIT**  
on every bottle!

ORDER  
CARTERS

# Quosh

PURE FRUIT SQUASH  
**NOW!**

FROM YOUR  
WHOLEALER



**COUPON—Send NOW for Display Material**

To: H. W. CARTER & CO. LIMITED,  
The Royal Forest Factory, Coleford, Glos.



Six Bottle Stand (Q.82) ☐

Single Bottle Stand (Q.83) ☐

Single Bottle Crowner (Q.90) ☐

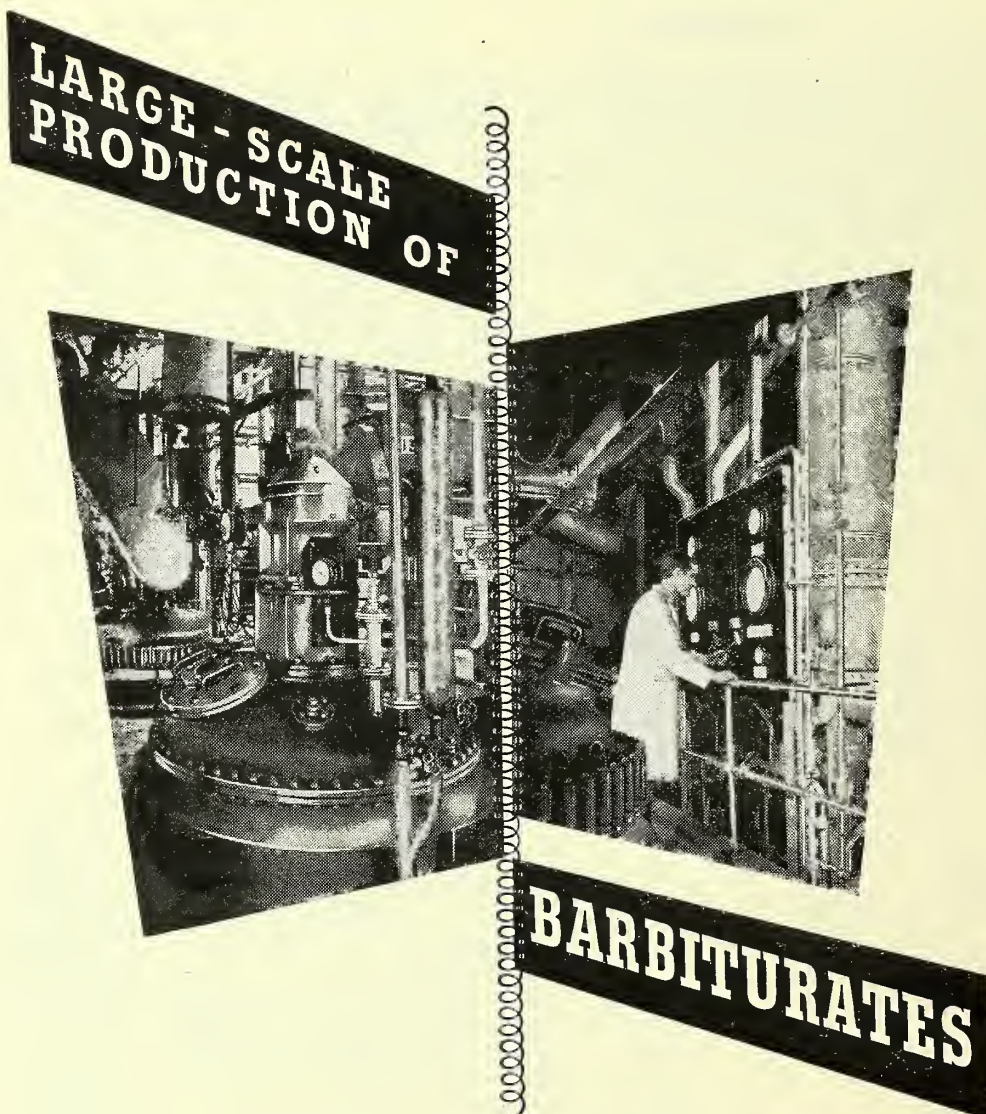
Large 'Girl' Showcard (Q.87) ☐

(20" high—not illustrated)

Tick as required

Name.....

Address.....



Scientifically controlled production in the latest type of plant enables GEIGY Barbiturates to be produced to exacting and invariable standards of quality. Continuous operation with the aid of constantly vigilant research and analytical laboratories provides Barbiturates by the ton in an ever expanding range.

Phenobarbitone B.P.

Barbitone B.P.

Butobarbitone B.P.C.

Amylobarbitone Sodium B.P.C.

Cyclobarbitone Calcium

Methylphenobarbitone B.P.

Phenobarbitone Sodium B.P.

Barbitone Sodium B.P.

Amylobarbitone B.P.C.

Cyclobarbitone B.P.C.

Hexobarbitone B.P.

Quinalbarbitone Sodium B.P.



**PHARMACEUTICAL LABORATORIES GEIGY LTD.**  
**Rhodes, Middleton, MANCHESTER.**

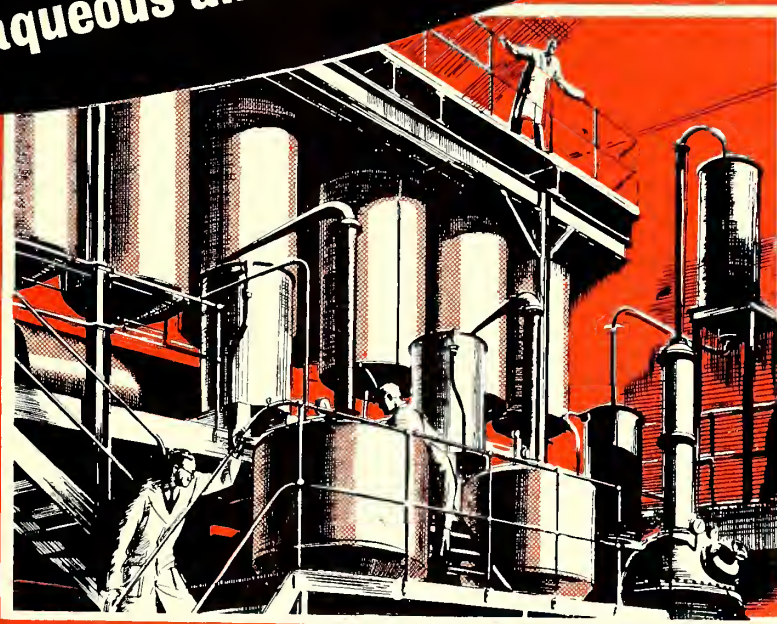
FC. 16

# A natural raw material EXTRACTION SERVICE aqueous and solvent

Many product formulæ contain extracts of natural products, such as drug, herb or spice extract, but, unless tonnage is really large, it is seldom

economic to install special extraction plant for individual lines.

We have been extracting a very wide range of raw materials for nearly a century and have available a large and comprehensive plant, together with great experience in this work. In addition to extracting and marketing our own range of high quality drug and other extracts, we undertake the extraction of customers' materials to their own specification. Thus we can place at your disposal a suitable plant for extracting your materials—whether by the hundredweight or ton.



WE OFFER YOU OUR  
EXTRACTS AND  
OUR EXTRACTION  
SERVICE, FULL PAR-  
TICULARS OF WHICH  
WILL GLADLY BE  
GIVEN ON HEARING  
FROM YOU



STAFFORD ALLEN & SONS LTD.  
WHARF ROAD, LONDON, N.1

Telephone: CLerkenwell 1000

Telegrams: 'Stafalens, Nordo,  
London'

Cables: Stafalens, London

**Stafford Allen & Sons**  
NATURAL RAW MATERIAL  
EXTRACTION SERVICE



**SUPPLIERS TO THE WORLD  
OF PHARMACEUTICALS  
and FINE CHEMICALS**

*We invite  
your enquiries for  
INJECTION SOLUTIONS  
in ampoules & vials*

**M. W. HARDY & CO. (OVERSEAS) LTD**  
PINNERS HALL - GT. WINCHESTER STREET - LONDON, E.C. 2  
Telephone: London Wall 7131 (10 lines) Cables: Hardichem, London

**LET THESE  
SUPER-  
SALESMEN  
Work  
for YOU!**



Attractive  
Circular Card  
for LION nylon nets catches  
all eyes!



*Makers of Quality Hairnets since 1905*

Every woman who enters your shop is a potential hair-net buyer. These colourful Shaw displays remind her instantly that you stock the quality nets she knows—LION nylon and MADONNA pure silk. Superfine yet durable, these famous small-mesh hair-nets are bought without hesitation. Invisible in wear. All hair shades. From your wholesaler, or if any difficulty write for address of nearest supplier.



Hanging Card shows  
LION nets in their  
smart cellophane  
envelopes.

Circular Card for  
gossamer-fine MADONNA  
silk nets — another  
powerful sales-  
booster!



Handy-sized counter box holds  
a gross of MADONNA nets in  
gay lilac sachets, temptingly  
displayed for quick and easy  
sales.



**ROBERT SHAW  
& CO. LTD**  
**ASCOT WORKS  
NOTTINGHAM**

London Office: Condor House,  
St. Paul's Churchyard, E.C. 4.  
Telephone: City 3359



*Newly  
Acclaimed*

***Thermasseur***

THE SAFE AND SURE ELECTRIC HOME- MASSEUR

**It's unique  
It's advertised  
It's a winner**

Gain the largest share in the unlimited market for a neat, portable, *really* simple, efficient appliance that everybody needs. Arthritics, sportsfolk, jaded housewives, all find it genuine relief for pains, sprains and occupational fatigues. Only the Thermasseur has the wonderful 3 fold therapy, is advertised to the consumer and is a proven seller. Put one on show with an illustrated display card and literature, and enjoy daily sales for this well-made, inexpensive, guaranteed product.

**Retail Price £4. 19. 6**  
(complete inc. tax).



- Patented 3 - way Therapy instrument giving heat, massage and infra-red.
- Operates on A.C. Mains transformed to 6 volts.
- Supplied with 6 ft. lead and plug adaptor for lamp-holder or wall-socket.
- Equipment housed in a portable lined case.

*You are invited to write for details to :—*

**E. WALKER & CO.**  
(ELECTRICAL ENGINEERS) LTD.

Therapeutic Division, The Phoenix Works,  
The Hyde · Hendon · London, N.W.9.

# CAMILATONE SYNTHETIC HENNA CREAM

## BONUS OFFER

*until June 1st.*

**6 Tubes FREE with orders  
of 2 dozen and over**

Take advantage of this great introductory offer. Have Henna Cream on display as NATIONAL ADVERTISING BEGINS. A trouble-free method of giving lasting auburn tints, HENNA CREAM is what thousands of women have been waiting for. They'll know all about it soon through advertising in mass circulation women's magazines. ORDER NOW.

LOOK AT THE TERMS AND PROFIT YOU GET BY  
ORDERING 2 DOZEN TUBES BEFORE JUNE 1st

2½ dozen tubes at 18/8d.	£	s.	d.
per dozen	2	6	8
Plus Purchase Tax	1	15	0
	4	1	8
Deduct bonus 6 tubes	9.	4	
and quantity discount	1.	10	11 2
Net cost to you	3	10	6
Selling at 3/6d. a tube	5	5	0
Profit!	1	14	6

**NEARLY 1/2d. A TUBE!**



Lovely, auburn-haired Piper Laurie  
now starring in Universal  
International's 'Johnny Dark'  
appears in all Henna  
Cream advertising

## CAMILATONE SYNTHETIC HENNA CREAM

Display outers and showcard supplied.

CAMILATONE LTD., EDGWARE ROAD, LONDON, N.W.9.



*new*

TRIPLE-ACTION INTRAMUSCULAR PENICILLIN

~~**PRONAPEN PLUS**~~

*now renamed*

**PERMAPEN PLUS**

Permapen Plus is a combination of  
potassium, procaine and benzathine penicillin

*for : RAPID —*

*SUSTAINED —*

*PERSISTENT —*

*PENICILLIN THERAPY*

THE NATION'S SUPER-SALESMAN SAYS:

**"Together we can create  
a thirst for this!"**



**Stock and DISPLAY  
goods advertised in the**

# RADIO TIMES

Men, women and children look through the Radio Times in six homes in every ten in your district. From recorded results it is proved that they read the advertisements — and that these have a strong pulling-force for at least nine days. The Radio Times shows the public what to buy — you show them where to buy it — in your shop — by strong displays of Robinson's Barley Water Crystals. And be sure to have plenty of stock to meet the demand.

All enquiries to: HEAD OF ADVERTISEMENT DEPARTMENT,  
B.B.C. Publications, 35, Marylebone High Street, London, W.1.

New ..  
for the  
prevention  
or relief of  
Motion  
Sickness

'MARZINE' brand Cyclizine Hydrochloride, a new compound for the prevention or relief of motion sickness, is remarkably free from any tendency to produce untoward side effects such as drowsiness, dryness of the mouth or blurred vision.

In clinical trials it was given to over four thousand steamship passengers, the majority of whom reported that the relief obtained was excellent. Similar results were obtained among air travellers. Where sickness had already occurred, 'Marzine' reduced or abolished the symptoms in practically all cases. Side effects in all groups were no more than 4 per cent.

'MARZINE' is of distinct value, too, in the treatment of vomiting of pregnancy and is worthy of trial in the symptomatic management of Ménière's syndrome.

'Marzine' is usually given in a dose of 50 mgm. (one product) three times a day before meals for adults. For children, half this dose is advised. 'Marzine' is issued in tubes of 10 at 2/6 plus 6d. purchase tax and bottles of 100 at 20/- plus 3/9 purchase tax (prices subject to usual discount).

**'MARZINE'**

CYCLIZINE HYDROCHLORIDE

***- leaves the individual alert***



**BURROUGHS WELLCOME & CO.** (The Wellcome Foundation Ltd.) **LONDON**

# DIS·PEL

THE PROVED NEUTRALISER FOR ALL HOUSEHOLD SMELLS

The DIS·PEL full-size dispeller

price **2/-**

The DIS·PEL full-size refill

price **1/6**

*DIS·PEL IS FOR  
INDOOR FRESHNESS*

**-IT IS NOT  
A GERMICIDE**

Order

# DIS·PEL

from

ADVANCE INDUSTRIES LTD., 116 BUCKINGHAM AVENUE, SLOUGH, BUCKS.  
(A subsidiary of Nicholas Products Laboratories Ltd.) • MEMBERS OF THE ASPRO LTD. GROUP OF COMPANIES



**DIS·PEL  
IS EFFECTIVE  
  
DIS·PEL  
IS CONVENIENT  
  
DIS·PEL  
IS ECONOMICAL**



Doctors and Nurses recommend variety in baby's diet—and Heinz are featuring this theme. Have you got your Heinz showcards and perchers? Displays like this sell!

# New Summer sales theme

## "3-COURSE MEALS FOR BABIES"

BUILD a Heinz Strained Foods display like this in your shop—and see how your sales go up!

It's a real selling display because it features 3-course meals for babies—and highlights the foods that make up the different courses.

With a display like this and the backing of the Heinz Strained Foods advertising—you'll find it as easy to sell *three* tins as to sell one.

Stock and display—and you'll *sell* all 17 varieties of Heinz Strained Foods.

**HEINZ** STRAINED FOODS

Meat Broths, Soups, Vegetables, Fruits and Cereal  
Retail Price 7½d. each



# THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

Official organ of the Pharmaceutical Society of Ireland  
and the Pharmaceutical Society of Northern Ireland

Volume 161

May 22, 1954

No. 3874

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### EDITORIAL AND PUBLISHING OFFICES

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telephone: Central 6565

Telegrams: Chemicus, Estrand, London

### Branch Offices:

BIRMINGHAM, 2: 111 New Street. Phone: Midland 2921  
GLASGOW: 24 Dixon Road, S.2. Phone: Pollock 4802  
MANCHESTER: 344 Washway Road, SALE. Phone: Sale 4595  
LEEDS, 6: 32 Wynford Rise, West Park. Phone: Leeds 78438

ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

# All B.P. Hormones

AT DRUG

TARIFF PRICES

Chorionic Gonadotrophin . . . . .	PREGNYL
Deoxycortone Acetate . . . . .	DOCA
Ethinylœstradiol . . . . .	LYNORAL
Ethisterone . . . . .	PROGESTORAL
Methyltestosterone . . . . .	NEO-HOMBREOL M
Œstradiol Monobenzoate . . . . .	DIMENFORMON
Progesterone . . . . .	PROGESTIN
Serum Gonadotrophin . . . . .	GESTYL
Testosterone . . . . .	NEO-HOMBREOL
Testosterone Propionate . . . . .	NEO-HOMBREOL
Thyroid . . . . .	THYRANON

## Other Hormones

AT DRUG TARIFF PRICES

Adrenocorticotrophic Hormone . . . . .	ACTH*
Anterior Pituitary Thyrotrophin . . . . .	AMBINON A & B
Methylandrostenediol . . . . .	STENEDIOL
Œstradiol Dipropionate B.P.C. . . . .	DIMENFORMON DIPROPIONATE
Œstradiol B.P.C. . . . .	
Œstrone B.P.C. . . . .	MENFORMON
Mixed Hormone Preparations . . . . .	MENSTROGEN & MIXOGEN
Testosterone Phenyl Propionate . . . . .	T.P.P. ORGANON

\*All U.K. distribution at present controlled by Ministry of Health.

Price List on request.

## ORGANON LABORATORIES LTD

BRETENHAM HOUSE, LANCASTER PLACE, LONDON, W.C.2

Telephone: TEMple Bar 6785/6/7, 0251/2.

Telegrams: Menformon, Rand, London

h o r m o n e s   o r g a n o n

# The CHEMIST AND DRUGGIST

Volume 161

MAY 22, 1954

No. 3874

## Three New Members of Council

### CHALLENGER AT HEAD OF POLL

THREE new members were elected and four retiring members re-elected in the voting in the Pharmaceutical Council election which closed at noon on May 19. One retiring member (Mr. F. C. Wilson) was defeated by sixty-eight votes.



Mr. J. C. Bloomfield



Mr. William Cooper



Mr. H. S. Grainger

The voting figures were:—

#### ELECTED

BLOOMFIELD, J. C.	..	..	4,254
MCNEAL, J. F.	..	..	4,077
HOWELLS, W. S.	..	..	3,804
COOPER, WILLIAM	..	..	3,547
HINCHLIFFE, G.	..	..	3,253
DOWTY, J. M.	..	..	3,228
GRAINGER, H. S.	..	..	3,117

#### NOT ELECTED

Wilson, F. C.	..	..	3,049
Graves, H. J.	..	..	2,953
Jackson, M.	..	..	2,790
Hincks, M. J.	..	..	2,534
Williams, H.	..	..	2,532
Park, W. A.	..	..	2,412
Robinson, E.	..	..	2,233
Connelly, F. H.	..	..	2,077
Hall, O. T.	..	..	2,035
Searle, T. E.	..	..	2,018
Goodall, E. J. G.	..	..	1,374

The number of voting papers issued was 26,323; 9,738 were returned of which 78 were disallowed.

### KEY INDUSTRY DUTY

#### Exemptions of certain chemicals

THE Board of Trade are considering the question of the renewal of the exemption from Key Industry Duty of a number of chemicals for the period August 19 to February 18, 1955. Representations should be addressed to the Industries and Manufactures Department, Division 1, Board of Trade,

Horse Guards Avenue, London, S.W.1, before June 12. Meanwhile the Treasury have listed five more chemicals for exemption from K.I.D. for the period May 20-August 18. They are: *p*-Anisidine; *o*-chloromononitrobenzene; *l*-histidine monohydrochloride; lithium hydroxide; and R. sodium tetraborate, of which the boron is in the

form of a stable isotope either of atomic weight 10 or of atomic weight 11, of a value not less than £1 per gm.

### STATUTORY COMMITTEE

#### Two inquiries

THE Statutory Committee of the Pharmaceutical Society is meeting at 2.30 p.m. on June 2, at 17 Bloomsbury Square, London, W.C.1, to:—

(1) Resume the inquiry adjourned from May 6, 1953, into information from which it appeared that a member of the Society stole a sum of money from his employers.

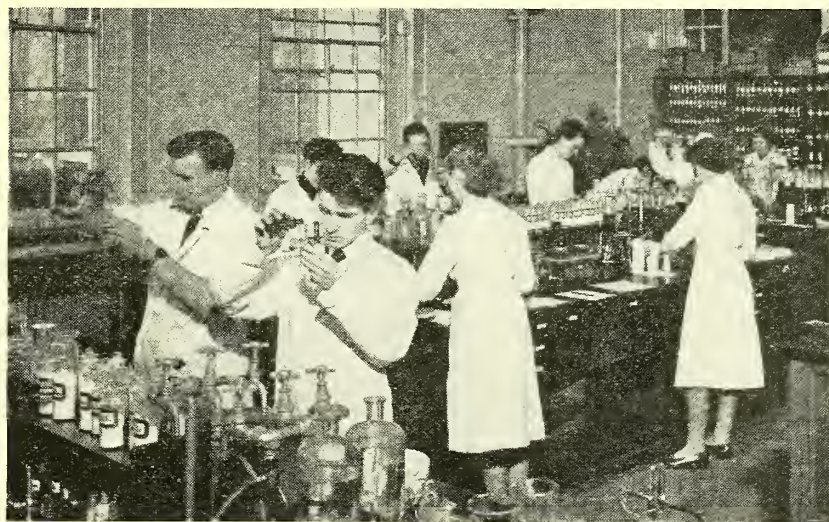
(2) Consider information and evidence from which it appears that a member of the Society has been convicted of conspiracy to defraud and of offences under the Larceny Act, 1916.

### SCHOLARSHIP AWARDS

#### 27 apprentices successful

AFTER examinations open to indentured apprentices employed by Boots, Ltd., the following scholarships were recently awarded:—

*Scholarships of £225 (for those taking a three-year college course).—*Peter F. J. Gainsford, Hastings; George F. Mallinder, Blackpool; Peter D. Stevenson, Teddington; Neil M. Shaw, Edinburgh; Jeffrey Hyde, Bridgwater; Mervyn Mitchard, Bournemouth; John Jones, Hackney; Raymond J. Kemp, Chatham; John S. Davison, Eastbourne; Michael J. Bailey, Shrewsbury; Peter Thayer, Gillingham; John D. Mansell, Slough; John M. Ridell, Bermondsey. *Scholarships of £150 (for those taking a two-year college course).—*Robert F. Bathurst, Waford; Donald M. Crossland, Nottingham; Ralph E. Bennett, Shotton, Chester; Ronald Cole,



EXAMINEES IN DISPENSING: Entrants for the scholarship examination of Boots, Ltd., undergoing their "practical" in dispensing. The examination was held at the University of Nottingham.

Pontefract; David A. Downing, Palmers Green; Richard A. H. Searle, Exeter; Alan L. Leiter, London, E.C.2; Donald H. Myers, Leeds; Brian V. Slade, Birmingham; Rex Dance, Nottingham; John Thomas, Chester; Basil J. Cook, Shepton Mallet; Philip M. Blatt, Lower Edmon-ton; Robert F. Doran, Ashton-under-Lyne.

During their stay in Nottingham for the practical dispensing examinations, candidates inspected the company's pharmaceutical and chemical factories.

## VITAMINS IN MARGARINE

### Standards laid down

ACTING on the advice of the Food Standards Committee, the Minister of Food (Major Gwilym Lloyd-George) has made the Food Standards (Margarine) Order which requires that Vitamins A and D shall continue to be added to all margarine sold by retail (see *C. & D.*, February 27, p. 201, and March 13, p. 255). The Order, which came into force on May 16, prescribes that margarine shall contain between 760 and 940 international units of vitamin A per oz. and between 80 and 100 i.u. of vitamin D per oz. The vitamin A content is roughly equivalent to that of butter. The required vitamin D content remains the same (apart from a tolerance of 10 per cent.) as under control. The Order prescribes the method of analysis to be used for determining the vitamin A content of margarine. It has been agreed that manufacturers will add the vitamins in the form of a master mix consisting of an edible vegetable oil containing either vitamin A and vitamin D, or provitamin A and vitamin D. The manufacturers of vitamins in Britain have agreed to produce master mixes for that purpose containing vitamins A and D in the ratio of 940:100. Manufacturers of master mixes have agreed to make samples available as and when required by the Minister; and that the medium used will be pure, edible oil. Under control, manufacturers were required, under the terms of their licence, to add specified amounts of vitamin A and D to all domestic margarine. The amount of vitamin A required was 450-550 i.u. per oz. and that of vitamin D 90 i.u. per oz.

## PROPRIETARIES COST

### A.B.P.I. statement

ON the remarks made in the House of Commons by the Minister of Health (Mr. Iain Macleod) on the cost and prescribing of certain proprietary preparations (see *C. & D.*, May 15, p. 493), the Association of British Pharmaceutical Industry has issued the following statement:—

As the Minister's remarks have apparently been misunderstood in some quarters, the Association of British Pharmaceutical Industry wishes to make it clear that price discussions on a large majority of the ninety-one proprietaries referred to by the Minister are still proceeding between the Ministry and the individual manufacturers. In the case of only a very few proprietaries has there been failure to agree on a reasonable level of profit; consequently it is only those few proprietaries that doctors will shortly be asked not to prescribe under the Health Service.

## BLOOD DONORS

### Need for increase in numbers

AT a ceremony held in London on May 10 when MR. IAIN MACLEOD (Minister of Health) presented ten blood donors, each of whom had given fifty or more blood donations, with gold badges, the Minister said that he was still not satisfied with the progress made by the National Blood Transfusion Service. Recent advances in medical science had caused an increased demand for blood and plasma. The volume of the present demand was such that, on average, one donation was needed in Britain every minute. The service had a target of 600,000 regular donors, which represented an increase of 125,000 over the present figures.

## MEDICAL AUXILIARIES

### New and revised registers

THE Board of Registration of Medical Auxiliaries has published revised registers of chiropodists and orthoptists and a new register of operating theatre technicians. Copies of the registers are supplied free to medical practitioners on application to the board at British Medical Association House, Tavistock Square, London, W.C.1.

## LOCAL NEWS

### Petrie Trust Examination

THE Petrie Trust examination will be held in the pharmacy department, Robert Gordon's Technical College, Aberdeen, at 2.15 p.m., May 26. The examination is open to students born in the city or county of Aberdeen, who are at present undergoing practical or academic training in pharmacy, and intend to proceed to qualification, or to those who are at present serving an apprenticeship in the city or county of Aberdeen.

### Manx Health Service Costs

THE Manx Health Services Board has presented Tynwald with estimates amounting to £552,377, equal to £10 8s. per head of the population. Pharmaceutical services for the current year amount to £53,350.

## IRISH NEWS

### Examination Results

THE following candidates were successful in the recent Assistants' examination held by the Pharmaceutical Society of Ireland: Catherine Mary W. Ambrose, Gerald J. O'Neill, Malachy O'Brien, Nora Mary P. Brosnan, Mary P. Gildea, Richard J. Hoskin, Thomas Gillan, and James A. Kennedy passed the April Dispensing Chemist and Druggist examination held by the Pharmaceutical Society.

### Ulster Bowlers

ARRANGEMENTS have been made to hold the annual tournament in aid of the Northern Ireland Chemists' Benevolent Fund at the Belfast bowling club on May 26, and to play the annual match with the Scottish Chemists' Bowling Association near Glasgow on June 23.

## LOCAL OFFICERS

THE following have been elected or re-elected:—

### GUILD OF PUBLIC PHARMACISTS

**East Midland Branch.**—*Chairman*, Miss M. Green; *Vice-chairman*, Mr. E. R. Tallett; *Secretary*, Mr. C. H. Preston Robinson, Mansfield General Hospital, Mansfield, Notts; *Treasurer*, Miss K. M. Jago.

### PHARMACEUTICAL COMMITTEES

**Buckinghamshire.**—*Chairman*, Mr. G. F. A. Downer; *Vice-chairman*, Mr. H. P. Elliott; *Secretary and Treasurer*, Miss H. E. Walker, 46 Well Street, Buckingham.

**Portsmouth.**—*Chairman*, Mr. M. L. Gregory; *Vice-chairman*, Mr. K. W. Ellery; *Secretary*, Mr. J. C. Bloomfield, 185 Fratton Road, Portsmouth.

**Salford.**—*Chairman*, Mr. R. O. Jones; *Treasurer*, Mr. S. H. Blore; *Secretary*, Mr. W. Wilkinson, 238 Bolton Road, Salford, 6.

**West Ham.**—*Chairman*, Mr. J. Reed; *Vice-chairman*, Mr. R. J. Maxey; *Treasurer*, Miss M. M. Kirkpatrick; *Secretary*, Mr. J. C. Durnan, 18 Dane John, Canterbury, Kent.

### NATIONAL PHARMACEUTICAL UNION

**Portsmouth Branch.**—*Chairman*, Mr. R. E. Clark; *Vice-chairman*, Mr. A. V. L. Dowdeswell; *Treasurer*, Mr. P. H. Smith; *Secretary*, Mr. J. C. Bloomfield, 185 Fratton Road, Portsmouth.

### PHARMACEUTICAL ASSOCIATIONS

**Birkenhead and Wirral Pharmacists' Association.**—*President*, Mr. R. C. N. Powell; *Vice-president*, Mr. M. B. Harrop; *Treasurer*, Mr. A. Dewar; *Social Secretary*, Mr. A. Prescott; *Secretary*, Mr. A. Broadwell, 50 Town Lane, Bebington, Wirral, Ches.

**Liverpool Association and Branch.**—*President*, Mr. J. Farrer Barnes; *Vice-president*, Mr. B. M. Kelly; *Treasurer*, Mr. E. C. Bourmes; *Secretary*, Mr. H. W. Cottle, 12 Beacon Lane, Liverpool.

**London (North) and North Metropolitan Branch Pharmaceutical Society.**—*Chairman*, Mr. C. Norman; *Vice-chairman*, Mr. G. B. Daniel; *Treasurer*, Mr. C. W. Leaversuch; *Assistant Secretary*, Mr. J. Jack; *Secretary*, Mr. A. E. Footitt, 5 Mountgrace Road, Potters Bar, Middlesex.

**London (North), Finchley Division.**—*Chairman*, Mr. D. Neil; *Vice-chairman*, Mr. J. Dawes; *Treasurer*, Mr. J. Shore; *Secretary*, Mr. J. C. Bolton, 32 High Road, London, N.2.

**Manchester.**—*President*, Mr. W. Wilkinson; *Vice-president and Social Secretary*, Mr. J. Tomlinson; *Treasurer*, Mr. H. Birdinson; *Secretary*, Mr. A. E. Thorpe, 777 Stockport Road, Levenshulme, Manchester, 19.

**South-east London Association and Branch.**—*Chairman*, Mr. D. Cameron; *Vice-chairman and Social Secretary*, Mr. R. W. Crombie; *Treasurer*, Mr. L. A. Vaughan; *Secretary*, Mr. F. H. E. Hook, 25 Manwood Road, London, S.E.4.

**South Shields Pharmacists.**—*Chairman*, Mr. J. F. B. Moore; *Secretary*, Mr. G. H. Eales, 25 Cleadon Hill Drive, South Shields, co. Durham.

**Thames Valley.**—*President*, Mr. H. G. Moss; *Treasurer*, Mr. H. J. A. Wadley; *Secretary*, Mr. N. C. Jeffery, 151 Lawrence Avenue, New Malden, Surrey.

**Wimbledon Pharmacists.**—*President*, Mr. H. C. Pretty; *Secretary*, Mr. H. J. Newitt, 14 Green Lane Gardens, Thornton Heath; *Treasurer*, Mr. T. James; *National Pharmaceutical Union Branch Secretary*, Mr. H. S. Fenton, 14 Worple Road, London, S.W.19.

### PHARMACEUTICAL SOCIETY

**Harrow Branch.**—*Chairman*, Mr. R. Goode; *Vice-chairman*, Miss D. I. Morgan; *Treasurer*, Mr. K. Roberts; *Joint Secretaries*, Mr. H. Treves Brown and Mr. H. W. Toms, 64 Boldmere Road, Eastcote, Pinner, Middlesex.

**Manchester and Salford Branch.**—*Chairman*, Mr. E. Berry; *Vice-chairman*, Mr. J. R. Walmsley; *Treasurer*, Mr. H. Burlinson; *Secretary*, Mr. A. E. Thorpe, 777 Stockport Road, Levenshulme, Manchester, 19.

## NEWS IN BRIEF

**Withdrawal from Rota Refused.**—Buckinghamshire Executive Council has refused permission for Timothy Whites & Taylors, Ltd., to withdraw from the rota services at Slough.

**Gift to Benevolent Fund.**—A donation of £54 12s. was made to the Pharmaceutical Society's Benevolent Fund by members of the Swansea and West Glamorgan Branch of the Society at their annual meeting on April 14.

**Portrait as Gift.**—An oil painting of one of the founders of Aspro, Ltd., Mr. Alfred Michael Nicholas, who died in 1939, has been flown to England from Australia, as the gift to Aspro, Ltd., Slough, Bucks, of the chairman of the company (Mr. M. A. Nicholas).

**Low Prescription Cost.**—At a recent meeting of the Lincs. Holland, Executive Council it was reported that prescriptions in the area were among the least costly in the country, 22,669 having been dispensed during one month in 1953 at an average cost of 3s. 8d. each.

**American Surgeons' London Meeting.**—The first meeting in Europe of the American College of Surgeons took place from May 17-19 in the new hall of the Royal College of Surgeons in London, when 450 of their members and nearly 1,000 British doctors joined in lectures and discussions.

**Travellers' Benevolent Institution.**—The half-yearly court of governors of the Commercial Travellers' Benevolent Institution is being held at the Berners Hotel, Berners Street, London, W.1, on June 19, when all standing candidates will be recommended by the board for election without ballot for the seventy-fourth successive occasion.

**Fowl Pest Control.**—Under an Order (S.I., 1954, No. 626) made by the Minister of Agriculture and Fisheries (effective from May 17) to control the spread of fowl pest, the movement of poultry, except day-old chicks and hatching eggs, is prohibited into and out of central Lancashire (see also C. & D., Feb. 13, p. 147).

## Sport

**Golf.**—GLASGOW PHARMACY GOLF CLUB, spring meeting at Hilton Park on May 11. Askit prizes: First class (1) G. F. Grant, 78-3, 75; (2) R. Craig, 85-8, 77; Second class (1) A. G. Bannerman, 92-18, 74; (2) A. Jeffrey, 99-24, 75. Wholesale prize: S. Hughan, 92-22, 70.

MANCHESTER CHEMISTS' GOLFING SOCIETY, Sickleholme, Bamford, Derbys, on May 5. Competition for Ucal trophy and prize. Winner: P. W. Stuart, Denton; second: A. Whitewright, Bolton.

ULSTER CHEMISTS' GOLFING ASSOCIATION, Royal Belfast golf course, on May 5. Competition for Groves cup. Winner: J. Kennedy who defeated H. Caren in the final 2/1. Best gross: R. Robinson. Bogey competition: (1) J. D. Fullerton, (2) H. Mahood.

IRISH CHEMISTS' GOLFING SOCIETY, Dun Laoghaire golf course recently. Competition for prizes presented by May Roberts (Ireland), Ltd. Winners:—Eighteen holes strokes: 1, J. Smyth (11), 73; 2, F. Kavanagh (11), 75. Eighteen holes bogey: 1, T. J. Lynch (6), 2 down; 2, P. Slattery (18), 3 down. Best first nine, C. A. Collis. Best second nine, P. P. Gray. At a supper presided over by Mr. C. A. Collis (captain of the Irish Chemists' Golfing Society), the prizes were presented by Mr. A. D. Davidson (a director, May Roberts (Ireland), Ltd.).

## TOPICAL REFLECTIONS

By Xrayser

### *Commons Debate on N.H.S.*

The recent House of Commons debate on the National Health Service (p. 497) produced some useful remarks. Mr. Iain Macleod, the Minister of Health, emphasised one matter that can easily be overlooked. The year 1952-53, when the shilling-on-prescription charge came into effect was, he said, "completely distorted towards the end by the effects of the London fog, East-coast floods and an influenza epidemic." I suggest that it is wise, when drawing conclusions from statistics, to take a few consecutive years and to average the figures from them. Five years has been found a convenient number; and it happens that certain N.H.S. statistics for that period are available. Another acceptable observation by the Minister was that he was conscious of the dangers of interfering with valuable research, and also of the importance of the export trade. Sir Hugh Linstead congratulated Mr. Macleod on his recognition of these dangers, and on the expected overtaking of arrears of pricing dispensed prescriptions. Apropos of prescriptions, I had a shock of surprise on reading about the recent show of pharmaceutical apparatus at Worthing (p. 494). It appears that the exhibition was not only sanctioned by the Pharmaceutical Society but that the Society lent what is described as a background screen. The official explanation would probably be that the Worthing show was not an advertisement but a demonstration. The distinction seems to be a fine one.

### *Business Questions*

The practical value of your contributor's answers to business questions is once more shown on p. 511. I take the first four examples. Two of these deal with cases in which the questioner's house and shop share in functions belonging to the carrying on of business. In the first case it is a question of doing "home work" after business hours. It would not occur to everyone to claim the cost of lighting and other incidental charges as a business expense; yet this claim may be submitted to the local inspector of taxes. In the second case, a car used in trading is garaged at home: What claim for this accommodation can be made? Here again the local inspector can be approached. The next inquirer desires to find a system for saving time in recording such routine procedures as P.A.Y.E. The reply ends with the observation that systems of this kind are helpful in large-scale working, but would probably not be worth while where only a few employees are concerned. System for the sake of saving work, not of making it, is the ideal. Finally, what should be done about cheques paid but remaining long unrepresented to one's bank? In my experience one such cheque was not heard of for two years or more. The reply on p. 511 tells us what we want to know about bankers' procedure in these circumstances.

### *Pharmaceutical Society's Council Meeting*

Much of the time used at the May Council meeting of the Pharmaceutical Society (pp. 504-05) appears to have been devoted to the treasurer's report. As you point out, there is some discrepancy between the "satisfactory" and the deficient state of the Society's finances; though it was added that the remedy for the latter had been applied. Ordinary members can take refuge in the deduction that the situation might be worse, and merely regret that the premises annual retention fee was not raised to £4 4s. A bright spot in the record is contributions to the benevolent funds. "Taking into account the Flood Relief Fund, the Society's members had contributed about twice as much as usual to benevolence in 1953." The subsequent discussions ranged over various topics. Many members will read with surprise Professor Macdonald's belief that there is no general practice as to revision courses in universities. Exchanges of courtesies in France during the recent visit of the president and Professor Macdonald are gratifying, and the honour conferred on Sir Hugh Linstead by the French Government is a matter for congratulation.

## BRANCH AND ASSOCIATION MEETINGS

### ROCHDALE

#### Retirement After 24 Years

A CHEQUE for £75 and a wallet were presented to Mr. J. W. R. Richardson by members of the Rochdale Branch of the Pharmaceutical Society at their annual meeting on April 26. Mr. Richardson has retired to Morecambe after twenty-four years in Rochdale during which time he has been prominent in local pharmaceutical affairs. The presentation was made to Mr. Richardson by Mr. J. Slattey.

### EDINBURGH

#### Improved Calamine Lotion, B.P.

AT a meeting of the Edinburgh and South-eastern Scottish Branch of the Pharmaceutical Society held in Gala-shiels recently, Mr. ERIC KNOTT spoke on "The B.P., 1953." During the discussion which followed, Mr. Knott said that in his experience the calamine lotion of the 1953 B.P. did not show any signs of rapid settling and its keeping properties were good. It was suggested that many items which had been deleted from the B.P. would find a place in future editions of the B.P.C.

### FINCHLEY

#### Chemists Stock Too Heavy?

CHEMISTS generally carried too much stock because of "the multiplicity of lines," said Mr. J. E. BLACKWELL, speaking at the annual meeting of the Finchley division of the North London Pharmaceutical Association at Whetstone on April 26. Mr. Blackwell was speaking on some business aspects of pharmacy. He said the remedy to the "too much stock" problem was in the hands of the chemist. If he refused to stock duplicate lines, the manufacturer would be unable to launch his marketing scheme. Initial advertising depended on initial distribution.

### WATFORD AND ST. ALBANS

#### Branch's Enthusiasm Commended

CONGRATULATING the members of the Watford and St. Albans Branch of the Pharmaceutical Society on their enthusiasm, Mr. J. M. DOWTY (a member of the Society's Council) said that in all too many cases branch meetings were not supported. Mr. Dowty was speaking at the annual meeting of the Branch, held in St. Albans recently. In a talk entitled "The Society and You," Mr. Dowty outlined the general functions of the Society's Council and dealt with the work of the various committees.

### PORTSMOUTH

#### Profit in Pharmacy

SPEAKING at a meeting of the Portsmouth Chemists' Association in Southsea recently, Mr. E. A. JENSEN (Ernest J. George & Co.) explained the meaning of gross, net and pure profit and of all the factors taken into account in the buying and selling of businesses. He emphasised that no scale could be laid down for computing "goodwill," each case having to be assessed on its merits, and dependent upon the overall market

trend. After the discussion, the president of the Association (Mr. M. A. Guernier) read a letter from the Pharmaceutical Society thanking the Association for a cheque for £90 for pharmaceutical charities.

### HOUNSLOW

#### Organic Chemists in Industry

THE rôle which the organic chemist plays in the pharmaceutical industry was discussed by Dr. D. S. MORRIS (director, products development department, Parke, Davis & Co., Ltd.) in a lecture given to the Hounslow Branch of the Pharmaceutical Society at a recent meeting. Dr. MORRIS emphasised the importance of the organic chemist in fundamental research, development research, and manufacturing. He said that the employment of organic chemists by the pharmaceutical industry had increased since the beginning of the century during which time well over three hundred synthetic substances had been included in the British Pharmacopoeia. The empirical approach to the planning of new drugs meant that much unproductive research was carried out. There was no alternative to that until more was understood of the fundamentals of biochemical reactions. Dr. Morris described the functions of the organic development chemist whose rôle was often more exacting than that of the man engaged in pure research, because the processes developed must be economic, safe and suitable for transference to a larger scale.

### NORTH LONDON

#### Current Topics

AT the annual meeting of the North London Pharmaceutical Association and North Metropolitan Branch of the Pharmaceutical Society, held on April 20, a discussion on current pharmaceutical topics was opened by Mr. F. C. WILSON (a member of the Society's Council). In reply to a suggestion that the British Pharmaceutical Conference meetings should be changed in character, Mr. Wilson agreed that the symposium session tended to get away from everyday practice of pharmacy. He said that the Branch Representatives' meeting was no longer restricted to representatives, as there was a "spectators' gallery." Discussing apprenticeship, Mr. Wilson favoured a post-graduate practice period when the graduate would only be permitted to practise under supervision. He drew attention to the dangers inherent in the Food and Drugs Bill if amendments safeguarding pharmacies were not made and said that although primarily the Bill was designed for food shops selling un-prepacked foods it was not generally realised that the pharmacist might be caught up in it. If exclusion of pharmacy could not be obtained then they should press for the Society's inspectors to be responsible for inspection. He gave a warning that as a result of war-time modifications the disclosure of formulas on labels might not be up to date and should be examined without delay.

### WEST LONDON

#### Pharmacy in Poland

AFTER the annual meeting of the Western [London] Pharmacists' Association held recently, Mr. J. J. ETTINGER (a Polish pharmacist) gave a talk on pharmacy in Poland before the 1939-45 war. He said that pharmacies were limited by size of town and population. On the death of a registered pharmacist, his widow was allowed to retain the registration until the youngest child became registered or reached the age of thirty. Premises were regulated and inspected. There were no sidelines, and no medicines were sold outside the profession. There was a 48-hour week with additional pay for night work, in some cases taking the form of an additional fee of 2s. 6d. per person after 10 p.m. That fee was given to the pharmacist on duty. Military service carried commissioned rank.

### BARROW

#### Value of C.F.

SPEAKING at a meeting of the Barrow Branch of the National Pharmaceutical Union recently, Mr. C. C. GREEN (assistant secretary, Chemists Federation) said that a 100 per cent. C.F. policy in retail pharmacy was a sound business proposition. It simply meant that the pharmacist should give preference to display and recommendation of C.F. products. The importance of the display side of C.F. was stressed as the only means of persuading manufacturers to place their products on the C.F. list. After dealing with the financial value of C.F. to the pharmacist, Mr. Green referred to the value of C.F. standards and explained how its work was protecting the interests of pharmacists and helping to raise the standard of pharmacy. The meeting closed with a vote pledging the full support of the Branch to the work of the Chemists Federation.

### ABERDEEN

#### Double Presentation

GIFTS were presented on behalf of the Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society by PROFESSOR A. D. MACDONALD (a member of the Society's Council) at a recent meeting of the Branch. Mr. A. A. Meldrum, who has retired from the Society's Council after ten years, including a term as president, received an inscribed silver salver; and books and a reading lamp were presented to Mr. W. S. Taylor (branch secretary for three years). PROFESSOR MACDONALD addressed the meeting on "Pharmacy and Education," and said that although the qualifying course extended to two years, he felt that the course was still too heavy for the work to be done in time. It was his opinion that entrants to pharmacy should be of matriculation standard which was the standard demanded by other professions. The student should be encouraged to develop an inquiring outlook on pharmaceutical matters rather than to memorise doses, etc.

## INFLUENCE OF DISEASE ON THE EYES

### Eye-hospital pharmacist addresses Manchester colleagues

IN an address given to the Manchester Branch of the Guild of Public Pharmacists on May 3, MR. W. T. CHATTERTON (chief pharmacist, Royal Eye Hospital, Manchester) referred to the close connection between eye conditions and the state of bodily health, and said that examination of the eyes often helped in the diagnosis of diseases affecting other organs.

#### Optic Atrophy

For example, anaemia could be a cause of malnutrition of the retina and might lead to optic atrophy. Jaundice was soon noticed in the yellowed white of the sclera, diabetes was responsible for one type of cataract, retinal hæmorrhages and exudates. Gout and rheumatism were sometimes accompanied by inflammation of the iris. Heart disease could cause an embolism of the central retinal artery, kidney disease was shown sometimes in the eye as albuminuric retinitis and Grave's disease or exophthalmic goitre was easily shown in the eye. Sinus trouble often caused chronic conjunctivitis, and diseases of the brain might affect the optic nerve and might cause paralysis of certain muscles of the eye or retinal hæmorrhages. An examination of the pupil itself gave much information to the trained observer. The pupil of a child was large and active, in the aged it was small and sluggish. Fear and emotion caused dilatation of the pupil and certain drugs had mydriatic or miotic effects. Patients under the influence of morphine might have pupils of pin-point size.

The various parts of the eye might be diseased. Scleritis and episcleritis were readily noticed by swelling and redness of the white of the eye, the pink eye of conjunctivitis might be due to damage caused by a foreign body or by infection. Inflammation of the cornea or keratitis required the aid of a magnifier or corneal loupe for its diagnosis, while cataracts, which were opacities of the lens, could be seen with the help of the ophthalmoscope. Surgical treatment of cataracts entailed the removal of the lens itself and a powerful convex lens must be worn after operation to make up for the loss of natural focusing power.

The treatment of a foreign body in the eye called for a local anaesthetic such as solution of amethocaine hydrochloride or of butocaine sulphate and after removal of the offending object an antibacterial solution was applied to prevent infection. If the foreign body could not readily be seen a few drops of a 2 per cent. solution of fluorescein were instilled. That left a green ring round the object and it would also outline a corneal abrasion or corneal ulcer if those should be present. Pure phenol or 10 per cent. alcoholic solution of iodine might be applied to the centre of a corneal ulcer resistant to other antibacterials and silver nitrate solution might be required for swabbing where there was acute conjunctivitis. For dilating the pupil for diagnostic purposes a solution of homatropine with

cocaine or of homatropine with ephe-drine was used. Where persistent dilatation was required atropine, homatropine, hyoscine, duboisine or lachesine might be used. For obstinate pupils the effect of atropine could be increased by the addition of cocaine and adrenaline. When that failed a subconjunctival injection of atropine, procaine and adrenaline was used. Phenylephrine drops were also being used for that purpose. In the treatment of glaucoma, pilocarpine, physostigmine, neostigmine or DFP (di-isopropyl-fluorophosphonate) might be used to contract the pupil.

Vasodilators, which were used for embolism or spasm of the retinal arteries included acetylcholine, carbachol and tolazoline. Vasoconstrictors such as adrenaline and naphazoline were in common use. Adrenaline could be very helpful during an operation in avoiding hæmorrhage. Alcohol 70 per cent. or 80 per cent. was sometimes used as a retrobulbar injection for pain in a blind eye. The antibacterial solutions used most frequently were of sulphacetamide and antibiotics. As local anaesthetics, amethocaine and butocaine were preferred to cocaine, the prolonged use of which softened the epithelium of the cornea, so tending to the formation of ulcers. A somewhat unusual preparation which had come into use recently was a solution of gelatin 0.7 per cent. in Locke's solution. It was used for eyes which required additional moisture due to insufficient tear formation. Cortisone

was another recent addition to the list of drugs useful in ophthalmic treatment. It reduced the inflammatory effect in cases of iritis, iridocyclitis, keratitis and conjunctivitis. Another preparation recently introduced was Corvasymton (the tartrate of a base similar to phenylephrine), which in addition to dilating the pupil had some effect in clearing opacities caused by lime and other chemical burns. Rutin was being used for cases of capillary fragility causing hæmorrhages of the retina and was stated to have been useful for diabetic retinitis. It was taken by mouth in tablets each containing 20 mgm. of the drug.

#### Preservatives

As a preservative in eye-drops chlorbutol  $\frac{1}{2}$  per cent. had been used at the Royal Eye Hospital for many years and in the speaker's opinion was as good as any substance yet tried. Chlorocresol 0.03 per cent. and benzalkonium chloride 1 in 10,000 could also be used as an alternative to chlorobutol.

Mr. Chatterton mentioned the formation of eye banks at eye hospitals. Eyes were removed from some patients who died in general hospitals and were stored until required. With the permission of the relatives of the deceased person that was now legal. The eyes were placed in sterile containers, a freshly prepared penicillin solution was poured in and the container sealed. They were then stored in a refrigerator and would keep for about two weeks. Should a corneal graft be required a supply was always available for use.

## N.H.S. ACCOUNTS 1952-53

### Rise in pharmaceutical costs

REPORTS on the National Health Service summarised accounts, 1952-53, for England and Wales and for Scotland by the Comptroller and Auditor General were published separately on May 7.

The reports show that in England and Wales pharmacists were paid for normal services £45,652,685 (an increase of £2,027,720). Rota payments were £4,031 less at £293,314. Doctors received £1,689,849 for pharmaceutical services (an increase of £346,800). Testing of drugs and appliances in England and Wales cost £16,561 against £16,395 in 1952-53. In Scotland pharmacists were paid for normal services £5,638,596 (an increase of £260,484). Rota payments amounted to £2,773. Doctors received £115,689 for pharmaceutical services (an increase of £25,730). In England drugs and dressings in general hospitals administered by Management Committees cost £5,529,295 (6.1 per cent. of total maintenance expenditure). For mental hospitals that cost was £346,071 (1 per cent. of total maintenance expenditure). For all types of Committee-managed hospitals, drugs and dressings expenditure was £7,668,329 (4 per cent. of total expenditure); for all types of board-managed hospitals, expenditure was £1,679,220 (4.6 per cent. of total expenditure). Those last figures show a

decrease on the previous year of £195,449; 0.5 per cent.; £25,332; and 0.5 per cent. The normal cost of drugs, dressings, medical and surgical appliances and equipment for a patient in an A class hospital administered by a Management Committee was £2 1s. 1d. compared with £2 0s. 2d. the year before.

#### Wales

In Wales the drugs and dressings in general hospitals under Hospital Management Committees cost £358,492 (6.3 per cent. of total maintenance expenditure). For mental hospitals that cost was £23,939 (1.1 per cent.). For all types of Committee-managed hospital, drugs and dressings expenditure was £513,126 (4.5 per cent. of total expenditure); for all types of Board-managed hospitals that expenditure was £45,749 (5.5 per cent. of total expenditure). Those last figures show an increase on the previous year of £28,425 and a decrease of 0.2 per cent.; and decreases of £13,626 and 2.1 per cent., respectively. In hospitals in Scotland drugs and dressings cost £1,558,063 (6 per cent. of total running costs). In 1951-52 the figures were £1,555,615 and 6.4 per cent., respectively. Copies of the reports (England and Wales, 2s., Scotland, 1s. 6d.) are obtainable from H.M. Stationery Office.

## MARRIAGE

**WALSH—NUGENT.**—At University Church, Dublin, Eire, recently, Michael Francis Walsh, M.P.S.I., 212 Upper Kilmacud Road, Stillorgan, co. Dublin, to Eileen Nugent, Gurtaderra, Scariff, co. Clare.

## Golden Wedding

**CAREY—MAGGS.**—At Owlerton Parish Church, Sheffield, on May 2, 1904, Sydenham Godfrey Carey, M.P.S., to Philippa Jane Maggs. Present address: Southcroft, Brookside Close, Rugby, Warwicks.

## DEATHS

**ARMSTRONG.**—At his home at Bournemouth on May 14, Mr. W. D. Armstrong. Mr. Armstrong was chairman of H. W. Carter & Co., Ltd. He had been associated with the company for nearly fifty years and its success and progress in the earlier years was largely due to his business acumen, high sense of responsibility, and observance of right principles. He will be sorely missed by all at "Carter's" and by his many friends throughout the country.

**BURNS.**—On April 27, Mr. Wilfrid Harry Burns, M.P.S., 8 Wellburn Park, Jesmond, Newcastle-on-Tyne, aged seventy-four.

**KING.**—On May 15, Mr. Alfred King, M.P.S., 50 Long Street, Wigston, Leicester. Mr. King qualified as a chemist and druggist in 1900.

**RUTHERFORD.**—At Wakkerstroom, Transvaal, on May 11, Mr. John Rutherford. Mr. Rutherford qualified as a chemist and druggist in 1899.

**THOMAS.**—On April 23, Mr. Geoffrey Thomas, M.P.S., 16 Caterham Road, Lewisham, London, S.E.13, aged fifty-six.

**WESTMORELAND.**—At Chatham recently, Mrs. K. Westmoreland, aged eighty-four. Mrs. Westmoreland was the widow of the late Mr. H. Westmoreland, who was in business as a pharmacist in High Street, Chatham, from 1904 until his death in 1941. Mrs. Westmoreland assisted him in the business and, after his death, carried it on actively until her eightieth birthday and controlling it until her death. Her daughter, Mrs. P. Ealing, is now chairman of the business which, in 1946, became a private company.

**WITHERS.**—At Hallam Hospital, West Bromwich, Staffs, on May 7, Mr. William Norman Withers, a former director of Bullus and Co., West Bromwich, and brother of Mr. Eric Marsh Withers, M.P.S.

## OVERSEAS VISITS

**DR. T. H. MANNERS KERFOOT** (a director of Thomas Kerfoot & Co., Ltd.) left Southampton on May 6 in the "Queen Mary" for a business trip to the United States. His itinerary includes New York and Chicago and he is due to return to Britain about the middle of June.

## PERSONALITIES

**MR. J. FARRER BARNES**, the new president of Liverpool Chemists' Association and chairman of the Liverpool Branch of the Pharmaceutical Society (see p. 518) has four pharmacies in South Liverpool.



Born in Haverthwaite, Ulverston, Lancs., Mr. Farrer Barnes served his apprenticeship in Ulverston,

his improvership at Harrogate and assistantship at Sandiacre, Nottinghamshire. After qualifying in 1928 he held a number of managerial appointments, taking up the general managership of L. W. Mussell, Ltd., Liverpool, at the end of 1940. Subsequently he acquired the business which is now known as J. Farrer-Barnes, Ltd. He is a past-president of Garston rotary club.

**MR. R. C. HANNANT**, M.P.S., Gorleston-on-Sea, Norfolk, has been elected to Great Yarmouth town council.

**MR. E. F. WOOLFORD**, M.P.S., 3 Market Place, Wallingford, Berks, headed the poll of six candidates at the Wallingford municipal elections.

**MISS M. FIELDING**, who has been elected chairman of the Halifax Branch of the Pharmaceutical Society, is not only the first woman to preside over the Branch, but she was the first woman in Halifax to qualify as a pharmacist. She is also the only woman proprietor of a chemist's shop in Halifax. She succeeded to the ownership of the shop upon the death of her father, Mr. W. R. Fielding, in 1937.

**MISS E. B. PALMER**, M.P.S., who took over the pharmacy in Hull of Mr. E. Haworth Earle in 1951, and is disposing of it to E. A. Brocklehurst, Ltd. (see p. 524), is marrying the late Mr. Earle's nephew, Mr. Kenneth E. Earle, in June. They plan to leave Hull to live at Market Weston, Suffolk. Miss Palmer, who was apprenticed to Mr. E. H. Earle, qualified as a chemist and druggist in 1927 and later became manageress of the shop.

**MR. E. H. LAMBERT**, who has been appointed general manager of the new South Africa branch of Parke, Davis & Co. (see p. 524) has served more than twenty-eight years with Parke, Davis & Co., Ltd., in Great Britain. He joined the London branch in October 1925 as a sales representative and was promoted to assistant home sales manager in 1945, home sales manager in 1946, general sales manager in charge of both home and overseas sales in 1947, and joint assistant general manager in 1951.

**MR. N. CARTER**, Shipley, has been appointed chairman of the mental subcommittee of the Bradford B Hospital Management Committee. Mr.

Carter, who is senior partner of Carter Bros., manufacturing chemists, Shipley, has served on the West Riding County Council since 1944 and is a member of the West Riding Executive Council, vice-chairman of the Bradford Area Assistance Board, and chairman of the Keighley sub-area Assistance Board. For three years he was a member of Shipley Council, and he is a past president of Shipley Rotary Club. He is a member of the Shipley Division Education Executive and president of the Yorkshire Amateur Gymnastic Association. For over thirty years he has been a vice-president of the Bradford branch of the United Kingdom Commercial Travellers' Association, and is also a life governor of the Commercial Travellers' Benevolent Institution and of the Pinner schools. He is chief warden of the Keighley Division Civil Defence organisation.

**MR. G. A. S. NAIRN**, who is retiring from the chairmanship of Lever Brothers, Port Sunlight, Ltd. (see p. 524), began his business life in the head office of the London & Lancashire Insurance Co., in Liverpool. After service in the 1914-18 war he was in 1919 appointed personal assistant to the late Mr. J. L. Ferguson at Port Sunlight. During that year he was appointed to the board of the associated company, William Gossage & Sons, Ltd., Widnes, and became its chairman in 1932. In 1934 he joined the executive committee at Unilever House which was responsible for liaison with the interests of Unilever on the continent of Europe, and on the outbreak of the 1939-45 war assumed similar responsibilities at Rotterdam. After the German invasion of Holland in 1940 he went to Toronto as president of Lever Brothers, Ltd., Canada. In 1945 he returned to Unilever House as a member of the United Kingdom food executive, and two years later went to Port Sunlight as chairman. **MR. F. S. WALKER** who succeeds Mr. Nairn, began his business career with Lever Brothers, Ltd., at Port Sunlight. Following a period of service in London in the accounting and audit departments, he returned to Port Sunlight in 1938 as commercial director of Lever Brothers, Port Sunlight, Ltd. During the 1939-45 war he was at Port Sunlight and in 1944 was appointed a member of the United Kingdom soap executive of Unilever, Ltd., in London. One of his interests is in the welfare of ex-servicemen and he is the chairman of the Unilever branch of the British Legion.

**MR. H. S. OFFICER**, M.P.S., member of Stockport Executive Council and secretary of the Stockport Pharmaceutical Committee, broadcast in the B.B.C.'s "Woman's Hour" programme on May 17. In an impromptu unscheduled discussion he explained the necessity for returning to the chemist clean empty medicine bottles received under the National Health Service. Pointing out that the container allowance had in 1949 been cut by 50 per cent., he emphasised that the cost of new bottles was very high and that if empties were not returned the chemist was out of pocket.

## LEGAL REPORTS

**Indian Hemp Seized.**—At West London magistrates' court, recently, Norman Coubray and Jean Peterson, Warwick Road, London, W, were committed for trial to the London Sessions on charges of being in unlawful possession of Indian hemp (enough to make 1,750 cigarettes). Police had entered Coubray's premises with a warrant, and had seized the material.

**Alleged Arson at a Pharmacy.**—At Ely, Cambs, magistrates' court, on May 13, Anthony Alderton, formerly a police constable at March, Cambs, was committed for trial at Cambridgeshire Assizes on a charge of maliciously setting fire to a warehouse at the rear of the pharmacy of Mr. J. A. Gardiner, M.P.S., High Street, Ely, on October 31, 1953, and on two charges of office-breaking and larceny at Ely. After the magistrates had committed him for trial, Alderton indicated that his intention was to plead guilty to all three charges.

**Entries Not Made in Registers.**—At Keighley borough court, on May 13, a fine of £5 was imposed on John Parker, M.P.S., Mill Hey, Haworth, after he had pleaded "guilty" to failing to make prompt entries in his Dangerous Drugs register. A police inspector stated that when he called at the shop on March 25 he found that there had been no entry since February 25. On behalf of Parker it was stated that he had been slow in entering the prescriptions solely on account of great pressure of work.—At Wallington, Surrey, recently, Vernon Fielden, M.P.S., The Parade, Beynon Road, Carshalton, was fined £25, with £5 5s. costs, for failing to enter in his register Dangerous Drugs which he had supplied and for failing to mark the date on prescriptions.

**Manslaughter Charges.**—At Clerkenwell, London, magistrates' court on May 17, Arthur Kendrick Ford, aged forty-four, office manager, Hounslow, was charged (a) on remand with the manslaughter of Betty Margaret Grant, aged twenty-seven; and (b) freshly with the manslaughter of June Malins, aged nineteen. Both girls were employed in the office of Sangers, Ltd., manufacturing chemists, Euston Road, N.W.1. It was alleged that, on the afternoon of April 26, Ford took pieces of chocolate-covered coconut ice from a bag and handed them to Miss Grant and other girls in the office. Later, both Miss Grant and Miss Malins were taken ill. They died in hospital the next day after being treated for corrosive poisoning. Ford was also taken to hospital. On his discharge on April 28 he was told that both girls were dead and it was thought that the cause of death was cantharidin poisoning. In an alleged statement Ford said that, during the war, he had heard soldiers discussing Spanish fly, which he was told made a woman desire a man sexually. Realising that the medical term for the drug was cantharides, he became curious about its effects. On the morning of April 26 he called at the chemist's office of the company and asked if they stocked the drug, as his neighbour wanted some for rabbit breeding. Told that it was a Part 1

poison, he said that he had better not have any. Left alone in the office, however, he poured a small quantity of cantharidin crystals into an envelope and then emptied them on to his desk in his office. In the statement Ford denied giving either of the dead girls the crystals in any form. Later he was alleged to have made another statement, in which he said he put some of the drug into a piece of coconut ice with a pair of scissors and gave it to Miss Grant. Defending counsel said

he would take objection to that statement at the correct time. Prosecuting counsel said tests indicated that the girls must have taken not less than one or two grains. Cantharidin was not used at all in medicine, but the safe dose would be gr. 1/200; anything over that would be almost bound to cause death. A medical witness said that in his opinion, the cause of death of both girls was poisoning by cantharidin. Ford was remanded in custody to a special hearing on May 25.

## THE WEEK IN PARLIAMENT

By A MEMBER OF THE PRESS GALLERY, HOUSE OF COMMONS

THE Under Secretary of State for Air was asked by MR. G. R. CHETWYND on May 12 whether he would give recognition to pharmacy as a distinct branch of the medical service in the Royal Air Force.

MR. GEORGE WARD (Under Secretary of State for Air) replied "No."

MR. CHETWYND asked whether the Minister was satisfied with the training and status of people in that branch.

MR. WARD: Yes: The medical technician branch have places for such few officers as are needed, who are skilled in pharmacy, and the branch also plays a part within the service as an outlet for airman dispensers.

Asked whether he was prepared to reopen discussions with the Pharmaceutical Society, Mr. Ward said that he understood that the matter had been discussed with the Society for a number of years and he did not think it would serve a useful purpose.

### Inoculation and Injury to Health

LIEUTENANT-COLONEL W. H. BROMLEY-DAVENPORT asked the Minister of Health on May 13 the number of children during the past five years whose health was affected by inoculation for diphtheria and whooping cough; how many of those cases received treatment under the National Health Service; in how many cases the children regained their full health and in how many cases there was permanent or deep-seated injury.

MR. IAIAN MACLEOD (Minister of Health) replied that the detailed information asked for was not available, but serious illness attributable to inoculation was known to be extremely rare.

DR. B. STROSS asked what proportion of cases were affected by paralysis of the palate when they suffered from diphtheria before inoculation was invented.

MR. MACLEOD replied that he did not have those figures with him, but he would see whether they were available. Certainly, the number of cases in relation to the total number of diphtheria inoculations carried out each year—which was more than a million—was tiny.

### Marking of Goods

MR. R. S. RUSSELL asked the President of the Board of Trade on May 13 if he had reached a decision about the withdrawal of the option under the Merchandise Marks Act, 1926, which allowed imported goods which were required to be marked, to bear the words "foreign" or "empire" in-

stead of the name of the country of origin.

MR. PETER THORNEYCROFT (President of the Board of Trade) replied that the matter was still under consideration.

### No Control of Calomel

SIR D. MAXWELL FYFE told MR. S. T. SWINGLER in a written answer on May 13 that the Poisons Board had advised against controlling the sale of calomel under the Poisons Law.

### Resale Price Maintenance

MR. B. JANNER asked the President of the Board of Trade on what date he anticipated a report from the Monopolies Commission on resale price maintenance would be available.

MR. PETER THORNEYCROFT in a written reply on May 13 said that the only aspect of resale price maintenance covered by the Commission's Section 15 inquiry was its collective enforcement. The inquiry embraced many other collective arrangements; it was a large and complicated one and he could not yet say when it was likely to be completed.

### Air Pollution by Works?

MR. E. H. C. LEATHER asked the Attorney-General if he would take action against Albright & Wilson, Ltd., to stop certain nuisances at Portishead, in view of the long-standing nature of the complaints, and repeated assurances that such nuisances would not take place; and what information his Department had to show that the fumes concerned were dangerous to the health of the people.

SIR LIONEL HEALD (the Attorney-General) in a written answer on May 17 said that he had under consideration an application by the Portishead urban district council that he should institute civil proceedings against the company in respect of a public nuisance. He did not think it would be proper to disclose the nature of the evidence which had been submitted.

### Substitute for Agene

In the House of Lords on May 12 LORD HANKEY asked the Government whether a suitable substitute had yet been found for agene in flour. LORD CARRINGTON (Parliamentary Secretary, Ministry of Agriculture) said that a subcommittee of an inter-departmental standing committee on medical and nutritional problems was considering the results of recent tests carried out by the Medical Research Council on methods of flour improvement.

## NEW COMPANIES

P.C.—Private Company; R.O.—Registered Office

**F. HITCHEN (CHEMIST), LTD.** (P.C.).—Capital £2,500. To carry on the business of wholesale or retail chemists, etc. Directors: Frank Hitchen, M.P.S., and Lucy Hitchen. R.O.: 43 Market Street, Bacup.

**PASH CHEMICALS & BASIC MATERIALS, LTD.** (P.C.).—Capital £3,000. To carry on the business of manufacturers and merchants of chemicals, etc. Directors: Zelman D. Pash and Malvina Pash. R.O.: 7 Idol Lane, London, E.C.3.

**VINWELL, LTD.** (P.C.).—To carry on the business of animal nutrition specialists and dealers in vitamin and mineral extracts and concentrates, etc. Directors: Vera A. Dadswell, Irene F. L. Vincent and Prince B. Vincent. R.O.: 38 Poole Road, Bournemouth.

**SCOTT LABORATORIES, LTD.** (P.C.).—Capital £100. To carry on the business of manufacturers, importers and exporters of all kinds of chemical and pharmaceutical products, shampoos, etc. Directors: Peter Scott, Seymour Cooper. R.O.: 9 Violet Hill, Maida Vale, London, N.W.8.

**C. H. ANSTEY, LTD. (P.C.).**—Capital £500. To carry on the business of wholesale and retail chemists, druggists, opticians, etc. Subscribers: Charles H. Anstey, M.P.S., and Thelma G. Wood. First directors are to be appointed by the subscribers. R.O.: 425 The Priory Court, London, E.17.

**APPLESON CHEMISTS, LTD.** (P.C.).—Capital £100. To carry on the business of chemists, opticians, etc. Directors: Harold I. Appleson, M.P.S., and Muriel Appleson. R.O.: 244 Lancaster Road, Kensington, London.

**ELSY BEAUTY PRODUCTS, LTD.** (P.C.).—Capital £1,000. Subscribers: Elsie M. Deimel, 16 Stradella Road, London, S.E.24, and Doris M. Patrick. Elsie M. Deimel is the first director. R.O.: 36 Fulwood House, Fulwood Place, Holborn, London, W.C.1.

**MELVIN CRAWSHAW, LTD.** (P.C.).—Capital £5,000. To acquire the business of a chemist and druggist carried on by Melvin Crawshaw, M.P.S., at 1 Bolton Street, Ramsbottom, 3 Market Street, Edenfield, and 22 Bank Street, Rawtenstall. Directors: Melvin Crawshaw, Margaret E. Crawshaw and Roger K. Crawshaw, M.P.S. R.O.: 1 Bolton Street, Ramsbottom.

### Company News

Previous year's figures in parentheses

**FAIRY DYES, LTD.**—Mr. Arthur M. Bruce has rejoined the company and has been appointed general sales manager.

**UNILEVER, LTD.**—Mr. G. A. S. Nairn (chairman, Lever Brothers, Port Sunlight, Ltd.), is to retire on September 30 having reached the age of sixty-five. He is to be succeeded by Mr. F. S. Walker (see p. 522).

**BOOTS PURE DRUG CO., LTD.**—Subject to audit the results for the

year ended March 31 are as follows: Group profits before charging United Kingdom tax, £3,195,410 (£2,941,344); U.K. tax, £1,781,826 (£1,587,569); group profit applicable to parent company after tax, £1,347,849 (£1,292,224); net profit of the company, £1,074,082 (£911,455). The proposed final equity dividend is 12½ per cent. (10 per cent.), making 22½ per cent. (20 per cent.) for the year.

**TIMOTHY WHITES & TAYLORS, LTD.**—Subject to audit the results for the fifty-three weeks ended January 2 are as follows: Trading profit and sundry income of the group, £1,373,558 (£1,247,365); depreciation, etc., £286,017 (£253,440); U.K. tax, £654,994 (£572,973); group net profit, £432,547 (£420,952); parent net profit, £384,237 (£374,449). A final dividend of 21 per cent., less tax, on the £1,133,517 ordinary capital is recommended, making a total of 30 per cent. for the period (against a total of 35 per cent. for the year ended December 27, 1952, paid on £566,758 ordinary capital).

## BUSINESS CHANGES

**FAIRY DYES, LTD.**, have transferred their sales office to 245 Oxford Street, London, W.1.

**MR. JAMES B. FITZGERALD**, M.P.S.I., is opening a pharmacy at Castlebar, co. Mayo, Eire.

**MR. SEAMUS POWER**, L.P.S.I., is opening a pharmacy at Ardfinnan, co. Tipperary, Eire.

**BEECHAM GROUP, LTD.**, have removed their technical division to Princes House, 39 Jermyn Street, London, S.W.1 (telephone: Regent 3886).

**E. A. BROCKLEHURST, LTD.**, have taken over the business of E. H. Earle, 48 King Edward Street, Hull, formerly owned by Miss Elsie B. Palmer, M.P.S.

The sales and distribution office of the Distillers Co. (Biochemicals), Ltd., has been moved from Speke to Devonshire House, Piccadilly, London, W.1 (telephone: Mayfair 8867).

**PARKE, DAVIS & CO.**, have established a South Africa branch with its sales office at Leisk House, Bree and Rissik Streets, Johannesburg, and manufacturing facilities at Port Elizabeth. Mr. E. H. Lambert, M.P.S. (see p. 522) has been appointed general manager of the Branch.



**NIGERIAN COMPANY LAUNCHED:** Chief Aminu Kosoko (the Asanjon of Lagos) and his wife with Mrs. Eitty-Leal, Mr. J. A. Tuyo and Mr. R. Greenwood at a reception held in Lagos to mark the opening of Allen and Hanburys (Nigeria), Ltd., 114 King George Avenue, Yaba, Lagos.

## WILLS

**MR. C. BARRETT**, 41 King Street, Knutsford, Ches (a director and former sales manager of Cupal, Ltd., Blackburn), left £3,065 (£2,975 net).

**MR. H. E. BROWN**, 112 East Dulwich Grove, S.E.22, who for many years represented W. Sutton & Co. (Druggists' Sundries London), Ltd., left £835 (£785 net).

**MR. J. S. CHEETHAM**, M.P.S., 157 Maidenway Road, Paignton, Devon, left £5,268 (£5,021 net).

**MR. A. H. COOKE**, M.P.S., 42 Baffins Road, Portsmouth, left £1,455 (£1,410 net).

**MR. T. D. DAVIES**, M.P.S., 133 Court Lane, Dulwich, S.E.21, left £1,983 (£1,862 net).

**MR. A. M. FLETCHER**, 23 St. James's Close, London, N.W.8 (chairman and managing director in London of Armour & Co., Ltd.), left £4,585 (£3,839 net).

**MR. A. W. GEDGE**, M.P.S., Galen House, Worcester Road, Malvern Link, Worcs, left £10,951 (£10,790 net). He left £105 to the Benevolent Fund of the Pharmaceutical Society.

**MR. A. A. GILLITT**, F.P.S., Homeland, Meopham, Kent, left £22,564 (£22,379 net).

**MR. A. B. HUTCHESON**, M.P.S., 1 High Street, Cheltenham, Glos, left £17,449 (£16,379 net).

**MR. R. W. N. KELLY**, M.P.S., High Street, Stockbridge, Hants, left £9,430 (£499 net).

**MR. F. B. KERSHAW**, 5 George Avenue, Blackpool, left £9,934 (£9,874 net). Mr. Kershaw qualified as a chemist and druggist in 1895.

**MR. J. W. KITCHING**, M.P.S., 10 Shaftesbury Avenue, Pearson Lane, Chellow Dene, Allerton, Bradford, Yorks, left £10,336 (£9,514 net).

**MR. J. H. S. LEWIS**, M.P.S., Hillside, Kings Road, Hertford, left £22,770 (£22,571 net).

**MR. H. C. LINTIN**, M.P.S., 37 Lincombe Road, Downend, Bristol, left £4,084 (£3,694 net).

**MR. J. LOHOAR**, M.P.S., 33 Portland Park, Hamilton, Lanarks, left £18,942.

**MISS M. M. MURRAY**, L.P.S.I., M.P.S.N.I., 115 North Road, Belfast, left £18,026.

**MR. R. PICKERING**, 4 Monument Road, Helston, Cornwall, who qualified as a chemist and druggist in 1886, left £4,332 (£4,247 net).

**MR. A. S. POOL**, L.R.C.P., L.R.C.S., L.R.F.P.S., M.P.S., 11 Corroir Road, Newlands, Glasgow, left £26,657.

**MR. A. W. POOLE**, M.P.S., 3 Sydney Road, Richmond, Surrey, left £7,356 (£7,280 net).

**MR. W. J. ROBERTS**, Downderry, Kings Drive, Willington, Eastbourne, who qualified as a chemist and druggist in 1893, left £37,687 (£33,991 net).

**MR. W. G. ROBINSON**, M.P.S., 148 Wadham Road, Walthamstow, Essex, left £12,668 (£12,456 net).

**MR. W. C. SAINT**, M.P.S., 54 Fortuneswell, Portland, Dorset, left £10,085 (£9,704 net).

**MR. C. SANGSTER**, M.P.S., 749 London Road, High Wycombe, Bucks, left £46,988 (£46,844 net).

**MR. G. C. V. SCOTT**, 33 Bideford Gardens, Monkseaton, Northumberland, who qualified as a chemist and druggist in 1909, left £2,203 (£2,126 net).

**MR. W. A. SHAKERLEY**, M.P.S., 2 The Terrace, St. Ives, Cornwall, left £3,341 (£3,275 net).

**MR. J. TODD**, M.P.S., 58 Jeffery Street, Gillingham, Kent, left £4,313 (£4,262 net).

**MR. E. B. WARD**, M.P.S., 32 Midway Road, Leicester, left £9,164 (£9,108 net). He left £50 to the Pharmaceutical Society's Benevolent Fund.

**MR. B. WHALLEY**, M.P.S., 40 Wombley Road, Mossley Hill, Liverpool, left £4,857 (£4,799 net).

**MR. C. K. WHITEOAK**, M.P.S., 60 Caldene Avenue, Mytholmroyd, Yorks, left £7,333 (£7,272 net).

**MR. E. E. WHITTINGSTALL**, M.P.S., Ashleigh, Egginton Road, Etwell, Derby, left £3,218 (£3,157 net).

**MR. F. W. WOOLF**, M.P.S., 24 Brangwyn Way, Patcham, Brighton, left £17,984 (£17,916 net).

## TRADE NOTES

**Back Again.**—Mason's extract of herbs is again available. The makers, Newball & Mason, Ltd., Beech Avenue, Nottingham, have given it a new pack, and it is being advertised.

**Sole Distributors in Eire.**—Boileau & Boyd, Ltd., 91 Bride Street, Dublin, C.7, Eire, have been appointed the sole distributors in the Republic for Fish Optical Co., Ltd., 261 Harrow Road, London, W.2.

**Again in Free Supply.**—St. Andrew Mills, Ltd., London, E.17, announce that Andrex toilet tissue is once again available, with normal supply and delivery assured. Press advertising has been increased.

**Marketing in Canada.**—F. S. Stephen Agencies, 500 King Street West, Toronto 2B, Ontario, Canada, invite inquiries from British manufacturers anxious to develop the sale of their products in Canada.

**Now in a Bath-size Tablet.**—D. & W. Gibbs, Ltd., Hesketh House, Portman Square, London, W.1, are marketing their Astral cream soap in a new bath size tablet, in addition to the guest and popular size tablets already on the market.

**Used by the Danish Navy.**—Nu-Swift, Ltd., Elland, Yorks, announce that the Royal Danish Navy has placed with them its first order for pressure-charge-operated Nu-Swift fire extinguishers. The Danish is stated to be the fifteenth navy to instal Nu-Swift extinguishers.

## NEW PRODUCTS AND PACKS

**Cream Deodorant.**—Lehn & Fink Products, Ltd., Raynes Park, London, S.W.20, direct attention to their new cream deodorant, Etiquet, containing hexachlorophene. A special introductory offer is made of two free jars with an order for 2 doz.; 1 doz. jars are packed in a "sell-out" container.

**Relief of Under-foot Callouses.**—A "sell-on-sight" foot relief, Dr. Scholl's Ball-o-foot cushion, has been introduced by the Scholl Manufacturing Co., Ltd., 182 St. John Street, London, E.C.1. The device is entirely novel. Made of two layers of flesh-coloured latex foam, it loops over a toe so as to stay in position on the ball of the foot, giving relief from callouses, burning and tenderness. Also available is a single-layer "soft-step" cushion. Both are being nationally advertised.

**Two-drop Eye Relief.**—A. J. White, Ltd., Coldharbour Lane, London, S.E.5, are now marketing Murine, "the world's largest-selling eye preparation" and the first branded eye-drops ever to be nationally advertised in this country. Murine is an isotonic solution claimed to "match the natural eye fluids" and thus to cleanse and soothe tired eyes without shock, two drops in each eye bringing "instant relief." Each bottle holds 240 drops and is issued with dropper in sealed envelope. The advertising starts on June 1.

**Spraying Hair-lacquer.**—B. N. Furman (Productions), Ltd., 133 Fonthill

**Dispensing Pack.**—John Wyeth & Brothers, Ltd., Clifton House, Euston Road, London, N.W.1, announce the introduction of a dispensing pack of 500 13-gr. Aludrox tablets. The stout cardboard outer contains fifty Sealrite strips, each of ten 13-gr. tablets. Supplies are available through wholesalers.

**Advertisement Correction.**—Bengue & Co., Ltd., Mount Pleasant, Alperton, Wembley, Middlesex, state that, in the company's advertisement in the May 8 issue of this paper, the price given for the 1-lb. jar (unperfumed) of Veltis should read 12s. plus 3s. purchase tax, and for the 1-lb. jar (perfumed) 12s. plus 9s. purchase tax, each (not per doz.).

**Dressings Exhibits.**—Stand E.7 at the British Industries Fair (see C. & D., May 8, pp. 470-73) featured the products of Smith & Nephew, Ltd., and not as previously stated. Elastoplast corn plasters are being advertised for the first time, but are not new products; nor are Colta-paste bandages, which are non-elastic and non-adhesive.

**In New-type Case.**—Philips Electrical, Ltd., Century House, Shaftesbury Avenue, London, W.C.2, are now sending out their Philishave dry shaver in a new type of case that takes the shaver and its adaptor plug and is fitted with a securing strap to hold the plug-in lead in a net coil. The case, which is in a pleasing shade of grey, is fully lined. It is available from mid-May.

Road, London, N.4, have introduced Pride spraying hair lacquer, a new preparation specially designed for women to use at home. Pride is a light, invisible lacquer that is sprayed on the hair to form a waterproof coating that keeps the hair in position for long periods. It is perfumed, and being in a plastic spray bottle is simple to apply. Messrs. Furman claim to be the original inventors of hair lacquers, which they have been producing for professional use for twenty years.

**Slimming Biscuit.**—Bisks, a new-type American slimming biscuit, each containing 2 gm. of methyl cellulose with vitamin B, are marketed by British Chemotherapeutic Products, Ltd., Kemthentic House, Bradford, Yorks. Taken before ordinary food or in conjunction with planned diets, they give a

feeling of fullness without contributing to the metabolic processes. Bisks are supplied in tins containing approximately twenty-one and forty-two biscuits respectively. Special diet instructions are included in the pack.



Display outer for Handguard D & W barrier creams (Evans Medical Supplies, Ltd., Speke, Liverpool, 19).

**Change of Name.**—Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent, announce that their newly introduced triple-action intramuscular penicillin preparation has been renamed Permapen Plus. Stocks of the product under the old name (Pronapen Plus) may be distributed, but all future orders are being met with supplies bearing the new name. Doctors are being notified of the change.

**Restyled.**—Herts Pharmaceuticals, Ltd., Tewin Road, Welwyn Garden City, Herts, have restyled their Nivea



baby powder tin. The shape of the tin has been altered to make it easier to grip and less likely to spill. Prices are unchanged.

**Antibiotics Injection Film.**—Because of reports that some nurses and doctors were suffering from dermatitis after giving injections of antibiotics, the Ministry of Health has made a ten-minute film to illustrate an improved technique for giving such injections. The film demonstrates the contamination of hands, face and arms by spray expelled from the syringe during an injection given by the ordinary method and explains the revised technique. 16-mm. sound copies of the film are available on hire from the Central Film Library, Government Building, Bromyard Avenue, Acton, London, W.3.

**Sampling Scheme.**—Readers of the weekly periodical *Woman* were given recently an opportunity of sampling Gala perfume "sticks" at a special price. Gala perfume stick is issued in a miniature wardrobe containing four varieties, each measuring a little over  $\frac{1}{2}$  in. high and enclosed in a separate transparent case. The four perfumes, Heavenly, Ballet, Sequin and Blaze, are tinted blue, pink, amber and yellow respectively. All the perfumes are also available in two larger sizes, one for the handbag and one for the dressing table. The makers are Gala of London, Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey.

**Diary Corrections.**—Users of THE CHEMIST AND DRUGGIST *Diary* and

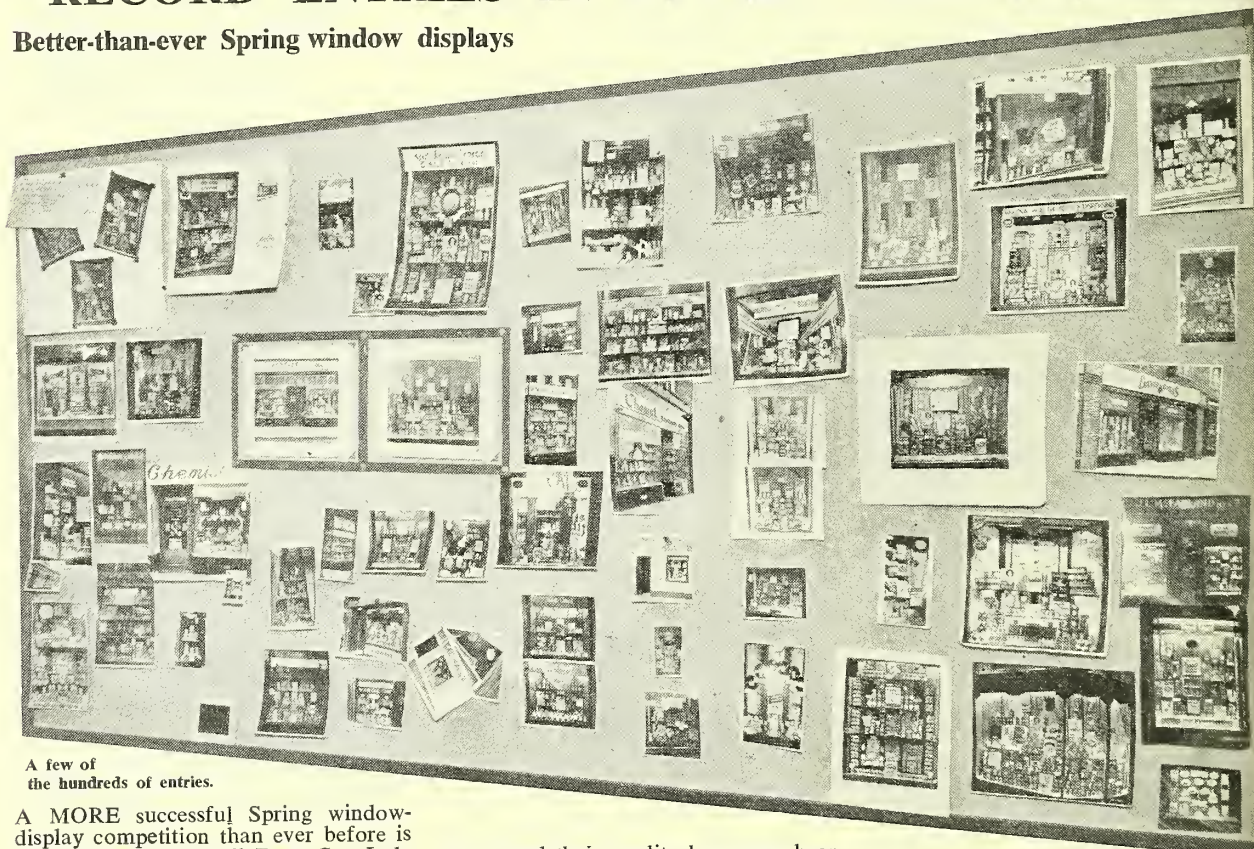
*Year Book*, 1954, are asked to delete, on p. 165, the line "Corvette (Goya Men's Division)" from under the heading **Hair Colour Restorer** and to insert it under **Hair Creams**. On p. 153 the entry 'Cytacin' should be altered to read 'Cytacon.' It should also be noted that the Purchase Tax (No. 5) Order, 1953 (S.I., 1953, No. 1706) brought into force a new list of drugs that became free of purchase tax from November 30, 1953. All the drugs listed under Heads I-IV on pp. 299-300 continue to be exempted from tax. For additional items and items transferred to different heads, reference should be made to THE CHEMIST AND DRUGGIST, 1953.II.557.

**Revived in a New Form.**—Henry C.

Miner, Ltd., Hook Rise, Kingston By-pass, Surbiton, Surrey, have revived their rouge in a new "lipstick" form under the title **Cheek Stik**. The product is issued in a transparent plastic case in natural, blonde and brunette shades. Messrs. Miner are also again making their **Lipid liquid lipstick**, "the original indelible lipstick," but are now packing it with an additional "gloss stick," which gives a shine to the colour and takes away dryness. They further announce that they have changed the formula and pack of **Glo tinted foundation** for dry skins, and are issuing an additional shade: olive. The following products have been discontinued: Milk of olives shampoo, leg-tan cream, and Ambertone.

## RECORD ENTRIES IN REXALL COMPETITION

Better-than-ever Spring window displays



A few of the hundreds of entries.

A MORE successful Spring window-display competition than ever before is reported by the Rexall Drug Co., Ltd., Loughborough, Leics. Entries exceeded in number those submitted in earlier

years, and their quality has never been surpassed. So high were the standards that the judging panel was faced with

a formidable task. Many entrants linked their displays to the current advertisements of the company, who take the results as a good augury for the future of their products. First prize of £100 went to A. E. BAYLIS (MR. G. H. P. THOMAS), Malvern, Worcs, for an excellent six-window display. Second prizes went to C. & J. MONTGOMERY, Belfast; W. E. WHITE & SON, 7 Market Street, Gainsborough, Lincs; and STANLEY EARL GREENWOOD, Bolsover, Derbyshire. Third prizes were gained by VICTOR SADLER, 10 Park Street, Minehead, Somerset; RICHARD W. HARRISON, 81 Ulleswater Road, Lancaster; W. T. HIND, 78 Queens Road, Leicester; F. G. LESITER, Victoria Road, Aldershot, Hants; and FRANCIS & CO. (WREXHAM), LTD., 18 Town Hill, Wrexham.

**LAST ROUND:** The judges making their final selection. The judging panel consisted of Messrs. Owen H. Waller, Editor of this paper, R. A. Jordan (advertising manager, Rexall Drug Co., Ltd.), T. N. Treen and L. H. Mabey (directors, McCann-Erickson Advertising, Ltd., the company's advertising agents), and R. Welch (director of Merchandising, McCann-Erickson Inc., New York).



# PHARMACEUTICAL SOCIETY OF IRELAND

## Monthly Meeting of Council

A MEETING of the Council of the Pharmaceutical Society of Ireland was held in Dublin on May 11, Mr. M. Costello (president) in the chair. Also present were Messrs. P. F. McGrath (vice-president), H. P. Corrigan (treasurer), G. C. O'Neill, T. B. O'Sullivan, A. A. Toher, D. J. Kennelly, F. J. Robinson, J. Gleeson, P. Fullam, J. P. Kissane, T. C. Scott, C. J. Cremen, P. Brooke-Kelly, M. Power, J. A. O'Rourke and Senator F. Loughman. Apologies for inability to attend were received from Messrs. P. A. Brady, Dublin, and R. Daly and C. D. O'Shea, Cork.

It was agreed that the president should represent the Society at the annual meeting of the International Pharmaceutical Federation in Brussels on September 4 and 5.

### *Appointment of Inspector*

Mrs. Mary Fleming, née Mulvey, M.P.S.I., who submitted a marriage certificate, was granted change of name in the register. The House and Schools Committee's reports were submitted and adopted. Arising out of the Law Committee's report, which was also approved, the question of unqualified people carrying on the selling of drugs and D.D.A. preparations was discussed and it was decided that a proposal to appoint a qualified person as a full-time inspector of the Society should be considered at the next Council meeting.

The examiners' reports on the April examinations showed that thirty-three candidates out of eighty-two passed Part II of the Licence examination, three out of nine were successful in the Dispensing Chemist and Druggist examination, and five out of six passed the Assistants' examination.

The following changes of address were notified:—

Messrs. Denis O'Leary, M.P.S.I., to Stratford, Wilton Road, Cork; James C. Power, M.P.S.I., to Ardfinnan, Clonmel, co. Tipperary; Patrick V. Coleman, L.P.S.I., to 12 Church Street, Athlone, co. Westmeath; and Mrs. Mary Fleming, M.P.S.I., to 20 Henn Street, Killarney, co. Kerry.

The question of the representations the Council, through its representative (Mr. McGrath) should make to the National Health Council on various matters arising out of the Health Act was considered. When, said THE PRESIDENT, Mr. McGrath was appointed their nominee to the Health Council, about three meetings a year were envisaged, but in fact the work turned out to be much more arduous, and the Council was extremely grateful to Mr. McGrath for the efficient way in which he looked after its interests before that body. It was a big job of work and Mr. McGrath had put a great deal of time and effort into it. Mr. McGRATH told the Council that since his appointment he had attended four meetings of the Health Council, some of which lasted from 3.30 to 8 and 8.45 p.m. The council, he was satisfied, was giving earnest and serious attention to the matters before it and would do good work for the country. Mr. McGrath urged that the Joint Committee of the Council and the Irish Drug Association should get down at once to the work of producing a cut-and-dried scheme setting out the prices at which they were prepared to supply medicines under the Health Act. Another matter of special importance to pharmacists was representation on the Local Health Councils. In the local councils of ten places, eight had to be appointed by the county councils, leaving two to be filled, one of which should go to a pharmacist in each county. Mr. McGrath was warmly applauded.

Mr. O'ROURKE spoke of the irregularity of giving free medicines to children over six years. SENATOR LOUGHMAN, endorsing Mr. McGrath's view that pharmacists should have representation on the Local Health Councils, suggested writing to urge county managers to consider appointing chemists to one of the vacancies.

THE PRESIDENT: In view of the cost of medicines we could recommend to the Minister that chemists should

be appointed to those Councils. Mr. O'ROURKE: We can make the point that in view of the complicated nature of modern medicine it is essential to have a chemist.

Mr. McGRATH said he was in favour of Senator Loughman's proposal that the matter should be approached through the county managers rather than through the Minister. Mr. SCOTT thought there were chemists on the local health councils in Northern Ireland.

Mr. KISSANE congratulated Mr. McGrath on his work at the Health Council. The trouble with the local health council was that it was only an advisory body to the county manager. Mr. McGrath had put forward a fine suggestion in urging scheme setting out prices.

THE PRESIDENT suggested that an official letter should be sent from the Society to each county manager urging the appointment of a chemist on each local health council. Mr. CREMEN: And such a letter should be supported by representations from the chemists locally. It was unanimously agreed to prepare such a letter and to ask the Joint Committee to go ahead with the drafting of a prepared scheme under which medicines and other requisites would be supplied.

Mr. O'SULLIVAN, as chairman of the Official Opening Committee, gave a detailed report of the preparations for the coming ceremony and garden party. It was approved.

THE REGISTRAR (Mr. J. G. Coleman) reported on the death of Mr. John Hale, R.D.

### *Senate and Dail Elections*

THE PRESIDENT, proposing the name of Senator Frank Loughman as a candidate in the forthcoming Senate election, said that he did not think there could be a better choice. Pharmacists were fortunate in having a man like Senator Loughman to represent the profession in the Senate. The Council unanimously agreed to the president's proposal, and SENATOR LOUGHMAN, returning thanks for the nomination, hoped he would be successful again in securing election. As in the past, he would do everything he could to help the profession.

Good wishes for the successful candidature of Mr. P. A. Brady for the Dail was expressed by many members, and the hope was expressed that chemists in Mr. Brady's constituency would help in every way in view of the good work Mr. Brady had done for the profession. It was emphasised what a great help it was to have a pharmacist in the Dail when it came to legislation or negotiations with a Minister and a Department.

The thanks of the Council was expressed to the treasurer (Mr. Corrigan) for presenting the College library with a well-preserved copy of the first British Pharmacopœia, published in 1864.

The Licence certificates of the Misses Philomena Doran, Henriett A. Hewson, Anne Scully McCarthy, Anna B. McLaughlin, Pamela Margaret McKenna, Catherine Neville, Mary O'Toole, Messrs. Charles Curtis, Hugh P. Hannon, David E. R. Jameson, James Keane, Henry B. Slowey, Patrick Brady Stephens and John A. Tierney were signed and sealed. Messrs. John Kenneth Gallagher, John T. O'Kelly, Declan A. O'Sullivan, Daniel Sheahan, Louis Smullen, Matthias Walshe, Misses Kathleen E. Chambers, Mary Long, Margaret M. McMonagle and Kathleen M. O'Sullivan were nominated members of the Society. The following were nominated for membership: Messrs. Patrick V. Coleman, 12 Church Street, Athlone, co. Westmeath; James C. Power, Ardfinnan, Clonmel, co. Tipperary; and Miss Kathleen T. Fox, Fairfield, Roxboro, Limerick.

At a meeting of the Benevolent Fund Committee held at the close of the Council meeting thanks were expressed to the West of Ireland Chemists' Association for its generous gift of £7 10s. to the Fund.



### A CREAM YOU CAN SAFELY RECOMMEND . . .

The sales value of the new CALADRYL Cream takes an upward curve during the outdoor season. Allergic conditions increase. Sunburn brings its usual crop of casualties. Rashes and insect bites are prevalent. Caladryl Cream combines Benadryl, potent anti-histamine, with calamine and camphor in a water-miscible base. It is soothing, mildly astringent, cooling, and brings effective relief to sufferers from skin allergies, eruptions and most minor infections of this kind. Stock against the increased demand!

for :  
 RASHES  
 PRICKLY HEAT  
 COSMETIC  
 ALLERGIES  
 SUNBURN  
 WIND-CHAFE  
 INSECT BITES  
 NETTLE STINGS  
 also for :  
 NAPKIN RASH  
 TEETHING RASH

## CALADRYL Cream

ANTI-ALLERGIC \* ANTI-PRURITIC

in tubes of 1½ ozs. **PRICE 3/6** (Plus P. Tax 7½.)

Also available in jars of 1 lb.



**Parke, Davis & Company Limited** (Inc. U.S.A.) Hounslow, Middlesex. Telephone: Hounslow 2361



TELEGRAMS: "CHEMICUS ESTRAND, LONDON"

CRYSTAL GRIP hypodermic syringe, veterinary  
TIFONYCIN                      APOLOIDS  
DR. RENTIX BLAIR'S balsam pomade  
EUTANOL (possibly continental)  
MITMANS paint  
F 27 powder for Rothera's test

# Onward from Galen

## A CURRENT CAUSERIE

WITH the opening of the Liverpool Cotton futures market on May 18, almost the last of the raw materials has been returned to private traders. The market was closed down with the spot market when the Cotton Control was established in March 1941. When the war ended in 1945 the Government at that time decided to continue centralised buying and the Raw Cotton Commission was formed in 1947 to take over the traditional work of the Liverpool markets, their aim being to maintain stocks for the spinners and as a buffer against world price fluctuations. A Commission representing all parts of the trade declared in 1952 that it was undesirable that cover for private trade should be provided at the risk of public funds and the recommendation being accepted the changeover has been gradually taking place. Cover will be provided by the Commission until the end of August. At the present time there are ample supplies of raw cotton throughout the world.



A CORRESPONDENT in the *British Medical Journal* (May 15) complains that the Ministry of Health pays the chemist on a prescription for twenty-four tab. codein. co. 1s. 11d., or more than the retail price. He puts the questions whether the Ministry is prepared to squander public money in that way, and if so whether it is in any position to continue accusing doctors of extravagance in prescribing. His theme was seized on by a staff journalist in the *People* (May 16), where the method by which the "generous Ministry" arrived at the 1s. 11d. "fee" for twenty-four tablets of tab. codein. co. was shown. The *People* writer asked his readers to note that the chemist is even given a handsome profit on "his little box that costs a half-penny." When he asked Sir Hugh Linstead (a secretary of the Pharmaceutical Society) whether Sir Hugh thought that the taxpayers were being robbed, he reported that he received the reply "Not at all. It's a question of losing on the swings and gaining on the roundabouts. If the minimum prescription fee of a shilling were to be cut, the whole Health scheme would have to be replanned as far as chemists are concerned." Not much need be added to that reply, except to say, perhaps, that the *People's* reporter had been under-charged for his tablets when he bought them, as he said he did, for 1s. 4d. The fact is that the Ministry, far from being generous, pays quite an uncommercial basic rate for its codeine tablets. No matter how small the quantity dispensed the payment is at the 1,000 rate. In a popular newspaper, "sob" stories on the slender basis as the one referred to are perhaps to be expected, but it is harder to understand why a doctor should simulate surprise at discovering that pharmacists are paid a dispensing fee. In point of fact, if the payment made by the Ministry of Health for twenty-four tab. codein. co. were carefully analysed, it would be found that the amount that can be legitimately set aside as a true dispensing fee is well below the nominal Tariff fee.



ON the flyleaf of the book that is before me as I write is the inscription "To 'Bo' with love and gratitude for much encouragement and for 'pharmaceutical' assistance at the birth of her book. From the author, Doris Grant." Those who know her well have little difficulty in recognising Miss M. M. Barron Boshell, chief pharmacist at the Central Middlesex Hospital. The quotation marks round the word pharmaceutical are no reflection on Miss Boshell's professional advice. They are the author's graceful method of taking full responsibility for the text of a book that is not pharmaceutical but dietetic, and less a book of recipes (though it contains many excellent ones) than a book of

pleas. The title, "Dear Housewives," gives the clue to its purpose, and anyone who knows enough about its author, Doris Grant, to connect her with the "Grant loaf" will realise at once that it has to do with "the sinister practices of food adulteration, and worse." The book is correctly described on its jacket as "original and personal, straight from a warm heart and shrewd mind." One may add that it is eminently readable and informative, though it would have benefited by a little pharmaceutical assistance at the proof-reading stage, as well as at the "birth." That would have avoided some spelling errors, as when the author writes of "turning our daily bread into such a witch's brew—of nitrogen trichloride, benzoyle chloride, polyox-ethylene stearate, succinic acid, ceta preparata, beeswax, glyceryl stearates, etc." At 7s. 6d. the book is modestly priced, with a bright jacket-front that proves the author a draughtsman as well as a writer.



TWENTY years' residence in Paris appears not to have softened the Yorkshire hardness of Mr. G. R. Toogood, M.P.S. A paragraph in the "Letter from Paris" column of the *Daily Telegraph* recently describes an exploit in which he was the heroic figure. The occasion was the opening of a Paris swimming pool. The Director of French National Sports was present to cut the ribbon. So were representatives of the Paris sporting world and twenty mannequins displaying the latest swimming fashions. "But it was bitterly cold, and nobody wanted to complete the ceremony by taking the plunge. Mr. Toogood . . . came to the rescue. He dived three times into the icy water."



NOT everybody is able to indulge his hobby to the same extent as Mr. Lawrence C. Hill, joint managing director of the County Chemical Co., Ltd., Shirley, Birmingham. Mr. Hill is an enthusiastic angler, and his hobby has taken him to many rivers in England and Scotland. It has also taken him to south-west Wales, which he explored "in search of waters reasonably accessible from the industrial Midlands." He so liked what he found there that he bought a house in Happy Valley, Carmarthenshire, and has written a book, "The Vale of Towy," in which his enthusiasm finds expression in words and the cause of it is illustrated with nearly three dozen superb reproductions of landscape and nature photographs, taken within a few miles of Llandovery, where "all that is best in Wales" can be found. The appeal of the book is almost as much to bird-watchers and nature-lovers in general as to fishermen, though the text is in the form of an imaginary dialogue with an overseas amateur angler who is on a visit to the valley. The book costs 15s., post free, and may be obtained from the author.



VERY few college magazines achieve a perfect emulsion of value and entertainment. Some of the humour that tends to predominate is apt to "throw out." In the "Script," the magazine of the pharmacy department of Sunderland technical college, something near the correct blend seems to have been reached. The main ingredients, though not the quantities, are given in a "prescription" on the cover. The emulsifying agent is not specified, but the element of prize competition may be the guarantee of quality in the ingredients. Great store is evidently set on maintaining the interests of past students, and a guide, "When you Revisit the College," seems well calculated to do that very successfully. The "Day in the Life of a Lecturer" is perhaps the special case of a lecturer who had married one of his students. Where else but in the College as he portrays it could he have found a partner so ready to do nothing all

day? On the other hand the satire on specialisation in training courses "The [B.Sc. (Special Wood Boring)] degree will qualify you to bore holes in any type of wood, whereas the Fellowship . . . is intended primarily for plywood workers" may be too prophetic to be reassuring about the future of the statutory qualification in pharmacy.



IN addition to being one of the outstanding pharmacies of the country, both for its historical associations and for the standard of pharmaceutical work done there today, the No. 7 Vere Street pharmacy of Allen & Hanburys, Ltd., is fast becoming a recognised place of visit for pharmacy and medical students. Since mid-March no fewer than twelve parties have been shown round the various departments, and they have come from Leicester, Manchester and Belfast, as well as from London hospitals and schools. Each party has been made up of from ten to twenty students, and on each occasion the manager (Mr. B. J. Thomas) has improved the shining hour with a few well chosen words to foster co-operation between doctors and pharmacists when the visiting students have graduated and are in practice.

## MOST MODERN PHARMACY IN THE MIDLANDS

Features of a recently opened  
shop at Nottingham

UNBACKED windows and a concave-fronted dispensary are among features that could justify a claim that the recently opened Parliament Street, Nottingham, pharmacy of Nottingham Co-operative Chemists, Ltd., is the most up-to-date in the midland counties.

From the pavement the potential customer gains an unimpeded view of the shop interior, for each backless window contains only a carboy and a low glass showcase. The shop is U-shaped—the walls, their fittings and the counters curving outwards from the window and inwards to the base of the "U" formed by the concave front wall of the dispensary at the rear of the shop. The curve of the counters (drug on the left, perfumery on the right) tends to widen the floor towards the dispensary end, facilitating the movement of customers to and from the dispensary counter. The counter itself is parallel to the concave wall behind it. A service-hatch unit, fitted with sliding glass doors, enables prescriptions to be passed freely between dispensary and counter, and a large neon sign "Prescriptions" identifies the department to customers.

### Dispensary

Access to the dispensary is by two swing doors, one on each side of the hatch unit. Inside the dispensary the doors are flanked on the one side by the manager's office and on the other by a surgical fitting room. The dispensary itself (about 25 x 17 ft. in area) is divided into two by a shelf and cupboard unit at right angles to the back wall and projecting two-thirds of the way across the floor. The smaller of the two sections is used for packing drugs and for counter drug sales. It enables dispensing to be carried on without interruption from the sales staff. The larger section is lined with eighteen cupboards fitted with tiered shelves for tablets, etc. At the centre of the dispensary is a square bench with stainless steel double-sink

THE versatility of science in its application to apparently unrelated hobbies and interests is well shown in an article contributed to the April issue of *Maple Leaves*, the journal of the Canadian Philatelic Society of Great Britain by Mr. A. E. Stephenson (Scottish representative of Thomas Kerfoot & Co., Ltd.). The article, "An Introduction to the Study of Stamp Gums," gives a brief description of the arabic and dextrin gums used in the making of postage stamps and mentions the use of chromatography in detecting the different gums. Another article, written by Mr. J. S. Cannell (head of the company's analytical department) explains how the gum is washed off the stamp, hydrolysed, and the sugars so formed identified on a paper chromatogram.



AN increase in popularity is to be noted in the new-type slimming preparations incorporating methyl cellulose as the "active" ingredient. Advantage is taken of the ability of methyl cellulose to provide bulk in the stomach without contributing to the metabolism of the body. Various presentations have been contrived: tablets, biscuits, and apparently now cream-filled chocolates.



at one end. The bench provides space for dispensers on two sides, with a shelf unit between. All bench and shelf surfaces in the dispensary are of white laminated plastic. Dispensary fittings are finished in high gloss white enamel.

Above the service-hatches are narrow shelves for tablets and small bottles. Below are drawers, cupboards and pigeon-holes for prescription books.

The equipment of the dispensary includes electrically-heated ointment slabs (Walter Crowe, Ltd.); autoclave, aseptic dispensing screen (Allen & Hanburys, Ltd.); and refrigerator. The dispensary is heated by hot air directed by fans through ventilators in the frieze.

In the front shop the frieze is of battleship grey colour, the ceiling in peach. Woodwork is in light oak, relieved by walnut. All metal work is in bronze. A central feature is a concealed lighting canopy supported by two columns, the rear column forming a padded back-rest for a circular seat upholstered in fawn leather. In shape, the seat harmonises with the curved dispensary counter.

For display purposes lighted alcoves, four on the drug side, three on the perfumery side, are let into the frieze. They are lined with "peg-board" supporting narrow glass shelves. From a canopy above the wall cases, concealed fluorescent tubes illuminate them, and relief lettering on the canopy describes the groups of merchandise stocked. The letters—in the Dudok alphabet—are of solid bronze and were specially obtained from Metaalgieterij-Holland, Amsterdam.



Left, a view of the perfumery counter; right, the drug counter.

Each counter contains illuminated display wells, and is equipped on top with risers for displaying stock. On the drug side open-fronted wall cases for the quick-selling lines alternate with others having sliding glass doors for the slower sellers. On the perfumery side all the cases are glass-fronted.

Acid-etched emblems of carboys and mortars decorate the double armour-glass shop doors made by Pilkington Bros., Ltd. The fascia bears the word **CHEMISTS** in relief bronze letters set in an alcove illuminated by strip lighting. Below it are neon signs with the message "Open tonight and every night" (for a dispensing service is provided each evening from 6 to 9 p.m.).

Plans for the new pharmacy were worked out by Mr. Jack Britton, M.P.S. (the company's superintendent chemist), in conjunction with the society's architects, Messrs. A. Betts & Son. The shopfitters were A. J. Gup-

well, Ltd., Birmingham, but the society's own building department was responsible for structural alterations, involving the installation of a false ceiling and the laying of a tiled floor under the entire shop, as well as under the dispensary.

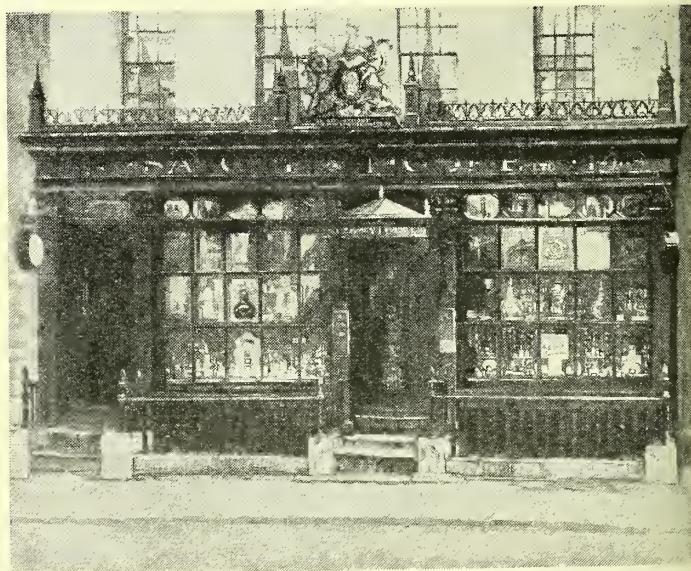
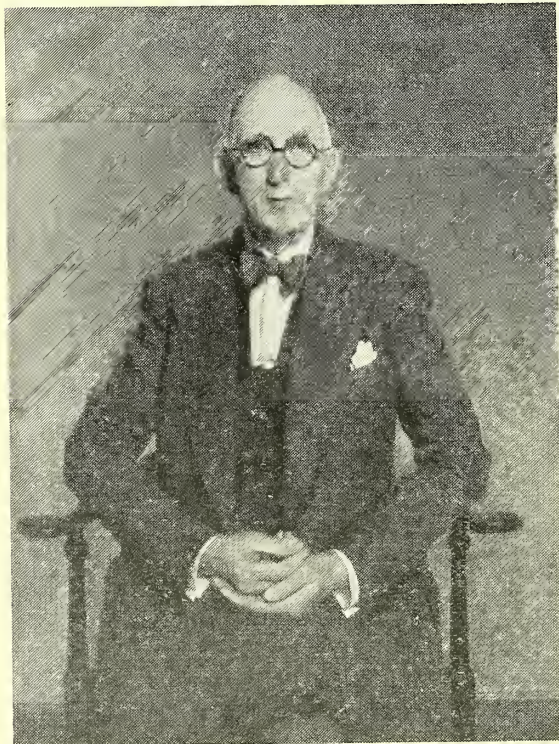
## RECENT RESEARCH

### COBALT AS A CARCINOGEN

THE production by cobalt of malignant tumours when injected into living tissue is reported by Heath (*Nature*, 1954, 173, 822). Pure 400-mesh cobalt powder was mixed with fowl serum and injected into rats. Control rats were similarly injected with fowl serum only. At the end of six months, two of the cobalt-injected rats had developed tumours which at autopsy were found to be malignant, and other rats of the same group had also developed small tumours.

### PHARMACY AT THE ROYAL ACADEMY

Visitors to the Summer Exhibition of the Royal Academy will find several pictures with a pharmaceutical interest. The portrait of Sir Harry Jephcott, F.P.S. (chairman of Glaxo Laboratories, Ltd.) reproduced at left, is by the president of the Royal Academy (Sir Gerald Kelly, P.R.A.). That favourite pharmacy for artists the New Bond Street shop of Savory & Moore, Ltd., is the subject of John Cole's canvas, shown below. In gallery III, "Flower-piece," by Rose M. Guild, has the interest that the "vase" holding the flowers is a drug jar.



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# The Contribution of British Pharmaceutical Manufacturers to MEDICAL PROGRESS

(Continued from THE CHEMIST AND DRUGGIST, May 8, p. 479)

PRIOR to the 1939-45 war, ALLEN & HANBURYS, LTD., had confined their research activities primarily to overcoming problems in pharmaceuticals and it was not until 1942 that a chemical research department was established, since when an increasing volume of work, published papers and new products in the field of chemotherapy have issued from that department. Towards the end of the nineteenth century Messrs. A. & H. were prominent in the pioneering work on compressed tablets, and designed and manufactured their own compressing machines. They also actively investigated the preparation of injectable products and before 1914 the late Mr. F. W. Gamble prepared injections of the vitamin-B complex. The company's interest in that field has continued in the introduction of new methods for the handling of very large volumes of fluids for intravenous infusion.

## Gland Products

Messrs. A. & H. have also specialised in gland products, the two most important of which are still widely used today, namely Eucortone, a preparation of the adrenal cortex, "the insulin of Addison's disease," and insulin itself, in the preparation of which the company operates in partnership with The British Drug Houses, Ltd. An interesting example of modern pharmaceuticals is found in the preparation of gelatin sponge, a haemostatic agent that is becoming more and more widely used in surgery today. In recent years the company's chemical research laboratories have produced many papers on the subject of muscle relaxants, and have issued to the medical profession two synthetic products: Scoline, a short-acting relaxant, and Laudolissin, a long-acting relaxant similar in its properties to tubocurarine. Other important synthetic chemicals issued from the company's development laboratory recently are chloramphenicol and the new anti-tussive drug Pholcodine.

BOOTS PURE DRUG CO., LTD., have greatly increased their research facilities in the past fifteen years. In chemical research a considerable expansion was made during the war years, 1939-45, in order to provide manufacturing processes for a large number of medical products, including anaesthetics, analgesics, antimalarial agents and sulphonamides, many of them of vital importance. The company was also a pioneer in the antibiotic field, and operated one of the first manufacturing plants to produce penicillin on a large scale in Britain. With the appointment in 1946 of the late Sir Jack Drummond, F.R.S., as scientific director, a planned programme of further research expansion was put into effect, and a large research department has now been built up. At the same time, the development departments dealing with fine chemical, antibiotic and pharmaceutical production were expanded proportionately, and the total research and development staff is now of the order of 450. The company's interests cover a wide field including, in addition to pharmaceuticals and medical products, veterinary medicines, agricultural and horticultural preparations, and fine chemicals. Research in the medical field has included, among the major projects, searches for new antibiotics, tuberculocides, antiviral agents, trypanocides and amoebicides. Many scientific contributions have been published by the company's research staff in these fields. Two medical products which the company has recently begun to manufacture are cortisone and ethidium bromide, the latter a trypanocide that is proving to be of great value in the control of bovine trypanosomiasis in Africa. The field of pesticides is generally recognised as imping-

ing upon the field of medicine; in this sphere Messrs. Boots have recently brought out a new acaricide that promises to be of great value in the control of mites on many economic plant crops and perhaps on animals also.

Since 1950, antituberculosis and antiviral compounds have been a major field of study by workers in the company's laboratories, and nineteen papers on those subjects have been published. In the field of chemistry ten papers have been published since 1950.

Appreciation of the value of research has grown enormously in the past twenty years, but the research laboratories of THE BRITISH DRUG HOUSES, LTD., were established by Charles Alexander Hill as long ago as 1908, shortly after the company was founded. In the early days the work of the laboratories was devoted to improving and standardising known substances. Its work in those fields has been acknowledged in successive editions of the British Pharmacopoeia. It was not long, however, before workers in the laboratories engaged in pioneer researches. They investigated large-scale production of vitamins, and in fact the first report of the clinical use of a British-made vitamin, published in the *Lancet* (February 4, 1928) referred to the use of Radiostol (vitamin-D, B.D.H.) in the treatment of ricketic children. *The Times*, on March 15, 1929, referred to B.D.H. as "the first firm, not only in this country, but in the world, to produce synthetic vitamin D on an industrial scale." Next a process of molecular distillation was applied to the isolation of high-potency concentrates of vitamin-A esters and alcohol from fish-liver oil, and Dr. Carr and collaborators developed the well-known Carr-Price test for the estimation of the vitamin in fish-liver oil.

The B.D.H. were one of the prime producers of insulin in Great Britain and its research laboratories have, in the succeeding years, played a significant part in lifting the product and its method of production to their present high level. Papers on several aspects of insulin manufacture and standardisation have been contributed to the technical Press and at British Pharmaceutical Conferences.

In 1936, following investigations into the isolation of the haemopoietic principles of liver, and in development of Dakin and West's discovery, the company produced Anaemaemin. More recently, and almost concurrently with the announcement of the discovery of vitamin B<sub>12</sub> by workers in Great Britain and America, B.D.H. research revealed the presence of the factor in Anaemaemin. Since then, published papers by Petrow and collaborators in the B.D.H. research team have contributed materially to world knowledge of the chemistry of the substance.

## Steroid Hormones

Recognising the value of the discoveries of Butenandt, Rusicka and Reichstein, the company's research workers applied themselves to making the steroid hormones available on a commercial scale. Work in that field has continued, and a recent result has been the introduction of a combined androgen-œstrogen (Mepilin) that has proved successful in the treatment of menopausal conditions and in certain geriatric states. The discovery of the first non-nitrogenous muscle relaxant mephenesin (3-(2-methylphenoxy) propane-1:2-diol) was followed by the introduction of Myanesin elixir and tablets for the oral treatment of anxiety neuroses and for use in rheumatology. From the same avenue of studies emerged chlorphenesin (3-(2-chlorophenoxy) propane-1:2-diol) a highly effective fungicidal and trichomonocidal substance that has been incorporated in

Mycil ointment, powder and pessaries. Study in the laboratories of heterocyclic compounds has resulted in the introduction of a long-acting, well-tolerated antihistaminic compound 1-*p*-chlorobenzhydryl-4-*m*-methylbenzyl piperazine dihydrochloride (meclozine dihydrochloride) which, as Ancolan tablets, has proved effective in hay fever and motion sickness. Extensive trials of piperazine and its derivatives revealed the versatile anthelmintic qualities of piperazine adipate, more stable than the parent piperazine and having a low solubility. Issued in Entacyl tablets, the compound has found applications not only in enterobiasis, but also in ascariasis and ankylostomiasis.

An important aspect of B.D.H. research has been its contributions to published literature, more than a hundred papers having been published since the end of the 1939-45 war. For many years the work has been done in the B.D.H. London premises. With future expansion in mind, Messrs. B.D.H. have recently established new laboratories at Godalming, Surrey. While the company's primary concern is the manufacture of medical products and pharmaceutical chemicals, it also produces on a large scale, at its separate B.D.H. laboratory chemicals group at Poole, Dorset, analytical reagents, laboratory and other specially pure chemicals.

### *Food Protein by Bacterial Action*

The research activities of EVANS MEDICAL SUPPLIES, LTD., are concentrated mainly at the Evans Biological Institute at Runcorn, and at the Evans pharmaceutical research and development unit in Liverpool. From the Evans Biological Institute came a recent publication in *Nature* relating to a method of producing food protein from a dried culture of *B. Coli* which has aroused considerable interest on account of its far-reaching possibilities in the fields of both animal and human nutrition. The possibility of economical commercial production of the protein is being investigated. Among other research carried out at the Evans Biological Institute was the fundamental work of Dyke Hind, Riding and Shaw, which established the presence of vitamin B<sub>12</sub> in the contents of the alimentary canal in man and animals, and suggested that the normal requirements of the vitamin in man are met by bacterial synthesis in the colon. The laboratories have also succeeded in producing a highly concentrated form of heparin (Pularin) for intramuscular and intravenous use, and have developed improved methods of producing and standardising hyaluronidase (Rondase). On the veterinary side Messrs. Evans were responsible for the production of crystal violet swine fever vaccine for the Ministry of Agriculture and Fisheries.

The Evans pharmaceutical research and development unit has been engaged in the development of more stable methods of pharmaceutical presentation and packaging, with special reference to export requirements and improved methods of standardisation. It has also continuously worked on improving the efficiency of the conventional pharmaceutical manufacturing processes. The laboratories have developed a range of antibiotic-sensitivity test tablets (Sensitests) and a new technique in tablet production.

In the chemical field the Evans fine chemical works has developed improved grades of iron salts, notably exsiccated ferrous sulphate and ferrous gluconate, and the company's organic compounds unit was the first in this country to produce the new anticoagulant phenylindanedione (Dindevan). Among other fields in which Messrs. Evans are carrying out active investigations is that of germicides. Mention should also be made of the mechanical handling of pharmaceutical supplies to which, for reasons both of hygiene and efficiency, Messrs. Evans have devoted particular attention.

In 1941 the OVALTINE RESEARCH LABORATORIES were set up in Great Britain by A. Wander, Ltd., under the direction of Dr. F. Wokes, and devoted mainly to nutrition. The laboratories, which work in close collaboration with Messrs. Wander's extensive research laboratories in Switzerland

and America, have presented and published over eighty papers and communications on, for example, the standardisation of vitamins in food and pharmaceutical products, spectrophotometric assay methods for vitamins, the origin of vitamins, their effect on the ingestion of proteins, protein in malted products, nutrition in the war and post-war periods, and milk supply for babies. These have formed the background to the development of an important series of dietetic products including Ovaltine, Chuckles and Vimaltol, based on raw materials of nutritional value such as milk, eggs, malted barley and other cereals, and high-vitamin-potency yeast, to all of which are applied new methods of vitamin standardisation, also used to control the raw materials used from the Ovaltine farms. As late as 1941 there were no satisfactory methods for the routine standardisation of B vitamins in foods, and the Ovaltine laboratories, in collaboration with academic and industrial experts, did pioneer work in that field. The Society of Public Analysts set up a number of panels to tackle the problem. Dr. Wokes was appointed secretary of the aneurine panel, and more recently of the vitamin B<sub>12</sub> panel, and has also served on the panel dealing with nicotinic acid and riboflavin. Many standard samples of food for the use of those panels have been prepared in the Ovaltine laboratories and sent to leading workers who are collaborating in these investigations. In 1947 Drs. Wokes and Daglish gave a series of post-graduate lectures at London University describing the new analytical methods that had been developed and studied in the Ovaltine laboratories. In the following year, at a meeting of the International Pharmaceutical Federation at Zurich, an International Vitamin Commission was formed, charged with the study of vitamins in food. For that work further standard samples were prepared in the Ovaltine laboratories and distributed to experts in different countries for collaborative investigations, the results of which have been presented at more recent meetings of the International Pharmaceutical Federation. Papers on similar topics have also been given to international scientific conferences at Amsterdam, Cambridge, Paris and Stockholm. Lists of these publications, and a *resumé* of their findings, are published in annual reports having a wide circulation in all parts of the world. They describe work done in collaboration with colleagues from the Universities of Birmingham, Bristol, Cambridge, Edinburgh, Liverpool and Oxford, as well as from leading Continental universities.

### *British Vitamin-C Sources*

Work done at the laboratories confirmed that existing chemical methods of determining vitamin C gave erroneous results, and new potentiometric and spectrophotometric methods were developed to overcome the difficulty. In a search for native sources of vitamin C, rose hips were exhaustively studied. Dried extracts of unusual potency and stability were prepared and manufactured into Hipexa rose-hip tablets. Extensive clinical studies by Dr. (now Professor) Scarborough showed them to be good sources of vitamin P. The development of the Aloloc series of antacid preparations was facilitated by a new method of standardising those preparations devised in the Ovaltine laboratories and described to the British Pharmaceutical Conference in 1945. The method has since been successfully used by a number of other workers.

Recent work in Messrs. Wander's research laboratories has dealt with various types of Aminacyl, derivatives of para-aminosalicylic acid which were the first to be marketed after extensive clinical trials on tuberculous patients in Switzerland. Vi-de hydrosol, a new water-soluble preparation of vitamin D suitable for intravenous injection, and which originated in the Wander laboratories, is being subjected to extensive clinical trials. Papers have already appeared describing its successful use in osteomalacia, Recklinghausen's disease, parathyroid insufficiency, rheumatoid arthritis, eczema and other diseases.

(To be continued)

# ESSENTIALS OF TREATMENT

A C. & D. "post graduate" course for pharmacists

DEALING SPECIALLY WITH THE PHYSIOLOGICAL AND PHARMACOLOGICAL PRINCIPLES INVOLVED

BY A MEDICAL MAN

## 21. INFECTIOUS DISEASES.—*Summary*

IN the present series of articles it is neither necessary nor practicable to describe the treatment of each infectious disease. The purpose of "Essentials of Treatment" is to stimulate the interest of pharmacists in therapeutics and to describe the general background, so that the rôle of pharmacy can be better appreciated. Nowadays, when new drugs receive great publicity in the lay as well as the technical and medical Press, there is more than a tendency to think that treatment begins and ends with the administration of a drug. How wrong it would be to describe the treatment of typhoid fever in the one word—chloramphenicol! But equally how wrong it would be to claim that chloramphenicol has not modified treatment and rendered unnecessary some former practices. Yet at the same time the changes the drug has brought about have re-emphasised the importance of a preparation which, on a first appraisal, they might have been expected to diminish, namely typhoid vaccine.

### *Many Factors in Controlling Infections*

Many and varied are the factors that have to be considered when it is decided to deal with an outbreak of an infectious disease, and especially when new remedies have to be sought. It is, of course, a *sine qua non* that the causative micro-organism must first be isolated and its natural history and distribution investigated. In some infections, such as malaria, a secondary host other than man will be found. Where that is the position the problem may be approached in a different way. If no known drug lethal to the causative organism is known, it may be possible to eradicate the disease by attacking the secondary host and thus interfering with the life cycle of the organism. In the treatment of malaria it has been shown how the attack has been made jointly against the malarial parasite and its secondary host—the mosquito. The parasite is attacked by drugs administered to infected humans. While it is impossible to prevent those people from being bitten by a mosquito, an endeavour is made to reduce the chances by the erection of physical barriers. At the same time the mosquito population is reduced so far as possible by chemical attacks on the known breeding grounds, and also on the mosquitoes present in living quarters, in which walls and other coverings are sprayed with dicophane solution. A curative cycle is thus set up in which (1) the number of mosquitoes is reduced, so that the chances of a person's being bitten are smaller; (2) if a person is bitten and he is taking antimalarial drugs, the chances are that the mosquito will ingest non-infected blood; and (3) if malarial parasites are contained in the saliva of the mosquito they will come into contact immediately with an antimalarial drug. Their chances of survival or multiplication are thus much reduced. Malaria is an excellent example of a disease in which great strides in treatment were made possible by the study of the natural history of the parasite and its secondary host.

Typhoid is an example of a different approach. There the causative organism is bacterial, and it is one to which an immunity may be acquired as a result of having had an attack. Vaccine therapy offers a method of prophylaxis

and, as is well known, that was the main weapon of defence against typhoid fever for many years. Though vaccination did not offer a complete protection, it did mean that, were a vaccinated individual to be infected, he could expect to have a modified and less severe illness. In typhoid there is no essential secondary host as there is in malaria, but study of the organism showed how it could exist in milk, water and other human foods. Furthermore, the existence of human typhoid carriers was noted. The chances of infection could thus be reduced by diligent attention to food hygiene and the prevention or control of people in the preparation of food and water supply. When chloramphenicol was discovered it provided a means of attacking the organism in an actual case of infection, illustrating, too, how an antibiotic can kill and remove an invading micro-organism at a faster rate than the human metabolism can repair the damage inflicted by the micro-organism. That is made evident by the ulcerated colon of a typhoid subject.

Diphtheria provides an excellent example of the effect of the widespread application of prophylactic immunisation. Its incidence and mortality rates have been enormously reduced. Diphtheria is also a disease in which the toxins produced by the organism cause infinitely more harm than the organism itself. In an established infection, therefore, it is of the utmost importance to neutralise the toxins already produced—toxins that will still be present even if the bacteria are killed. It is possible to determine also a person's susceptibility to the infection by making use of the Schick test toxin. In normal current practice all infants who have not had an actual attack are regarded as susceptible, and parents are encouraged to have their children immunised during their first year of life, and again at five years of age—i.e., when they go to school and the chances of infection are raised.

### *Discovered at the Right Time*

Whooping cough is an example of an infection in which, until comparatively recently, there was no really adequate prophylactic preparation that prevented attacks. The success of diphtheria immunisation has been sufficient to encourage the idea that the best form of any treatment is prevention, and it may well be that, in the years to come, whooping cough will follow the same lines as diphtheria. Whooping cough immunisation, however, is still not so efficient as that of diphtheria, and it depends, too, upon the efficacy of a vaccine rather than on a toxoid preparation. Furthermore, immunisation against whooping cough is nothing like so widely practised as against diphtheria. That defect may be overcome eventually by the introduction of the mixed vaccine and toxoid preparation, so that the doctor can immunise against both diseases in a combined injection. Meanwhile it would seem that chloramphenicol was discovered at the right time. That antibiotic will continue to have a large place in the treatment of whooping cough until the existing non-immunised child population has grown up and been replaced by an effectively immunised community.

Tuberculosis is a vast subject on its own, but it is worthy of mention here for several reasons. First, as in diphtheria

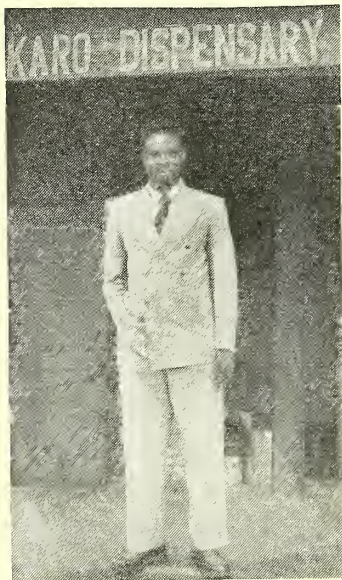
and scarlet fever, there is a skin test to determine susceptibility. In diphtheria, however, it is the positive result that gives the information that the patient is susceptible. In the Mantoux test for tuberculosis the negative result is the important one. A positive reaction merely gives the information that the patient has had or is suffering from a tuberculosis infection and therefore has a certain but unknown degree of immunity. A negative result signifies that he never has had an attack and he must therefore be regarded as susceptible. Skin tests should have their greatest value in the application of prophylactic immunisation. At the moment a large-scale trial is in progress to determine the efficacy of B.C.G. vaccination, and it is too early to express any definite opinion on the outcome. Prophylactic defence against tuberculosis can only be provided by isolation, so far as possible, of infected persons, and the control of food preparation. The latter factor is largely a matter of pure milk and inspection of the cattle population. Bovine tuberculosis is much on the decrease as a result of such vigilance, and mass x-ray is probably the most valuable factor in determining the infected population. As things stand now, the main hopes for the future treatment of tuberculosis would appear to lie in early diagnosis and early application of effective chemotherapy rather than in vaccination.

In other words, while the future, so far as drug therapy is concerned, seems to depend on prophylactic treatment for diphtheria and whooping cough, for tuberculosis it depends upon curative treatment.

Treatment of infectious diseases can thus be approached via several avenues: the immunity of the individual, public hygiene, isolation of infected subjects and chemotherapy of the established case. Which course is pursued depends upon the natural history of the disease and the habits of the micro-organism. The place of pharmacy, and especially of the retail and hospital pharmacist, depends to a large extent upon which line of approach is adopted. Until now the retail pharmacist has been called upon to dispense many cough mixtures for cases of whooping cough. To those have been added a variety of chloramphenicol preparations. If whooping cough goes the way of diphtheria, a large part of the business will disappear. But such is the way of progress. No doubt man will by then have found another disease, or possibly another organism, that has previously been kept in check by one of the organisms against which the fight is carried on at present. If so, energies will have to be directed anew against that fresh infection. Never, probably, will the fight against disease be ended.

## A PIONEER IN NIGERIAN PHARMACY

AMONG the pioneers of modern pharmacy in Nigeria, a country of thirty-million people, is thirty-one-year-old Mr. Gabriel Ikponmwoa Oviasu. Not only is he the managing director of one of the few privately-owned retail pharmaceutical businesses in the country, but he is taking an active part in advancing a plan to establish industry, and



Mr. G. I. Oviasu.

in particular pharmaceutical industry, in Nigeria. He proposes to come to Britain shortly to take a course in industrial chemistry. Son of a Benin, Nigeria, carpenter, Mr. Oviasu qualified as a Nigerian chemist and druggist in 1948 after studying at Yaba School of Pharmacy, the only school of its kind in Nigeria. He obtained admittance to that school after a general education at the Benin Baptist School, and later the Baptist Boys' High School, Abeokuta. Immediately after qualifying he joined the Nigerian Civil Service in his newly-acquired professional

capacity, and it was while he was in the Service that he was attracted to the possibility of developing pharmacy commercially and industrially. He left the Civil Service, therefore, in 1951, started his own business, Karo Chemists, and embarked on an extensive lecture tour on the subject "Towards Industrialising Nigeria." During the tour he emphasised that his country was among the richest in the world in forest and mineral products and that those products could be converted at profit to the country into consumer goods, including pharmaceuticals and cosmetics.



The shop and staff of Karo Chemists, Benin, Nigeria.

He urged that the "industrial revolution of Nigeria" should commence by Nigerians' patronising local pharmaceutical industries.

Karo Chemists became fully established in 1951 and at first the premises consisted of a shop, dispensary and an office under one roof. At the beginning the business suffered from an unusual difficulty, for the local populace was unused to the idea of retail pharmacy, and patients squatted about in the premises and impeded the work of the staff. Gradually, however, they became trained to recognise its purpose and functions. The dispensary is directly under the control of a registered assistant. Recently branches of the business have been established.

The wife of the managing director, Mrs. Patience Omosefe Oviasu, is herself a Nigerian pharmacist. In due course she proposes to join her husband in the business.

## A PHARMACIST'S ANTHOLOGY

NARRATOR:—Glanders, my friends, Glanders—a disease of horses, not common among humans. But, never fear, Science can easily make it universal. And these are its symptoms. . . . Within three weeks most of the patients are dead. To see that all shall die has been the task of some of those brilliant young D.Sc.'s now in the employ of your government. And not of your government only: of all the other elected or self-appointed organisers of the world's collective schizophrenia. Biologists, pathologists, physiologists—here they are, after a hard day at the lab, coming home to their families. A hug from the sweet little wife. A romp with the children. . . . Then bed at eleven. . . . And in the morning . . . off they go again to their job of discovering how yet greater numbers of families precisely like their own can be infected with a yet deadlier strain of *bacillus mallei*.—From "Ape and Essence," by Aldous Huxley.

## MISCELLANEOUS INQUIRIES

### Universal Developer

*Can you supply a standard formula for a developer for both films and negatives?*

THE following is a well-recognised formula for a universal developer (plates, films and papers).

Metol ... ..	3.1
Hydroquinone ... ..	12.0
Sodium sulphite (cryst.) ... ..	90.0
Sodium carbonate (cryst.) ... ..	180.0
Potassium bromide ... ..	1.9
Water ... ..	1.0

### Transparent Label Varnish

*Can you suggest a formula for a transparent varnish suitable for applying to shop-round labels to render them impervious to water, oil, glycerin, etc.?*

THE following is a formula for such a label varnish:—

Sandarac ... ..	3 oz.
Mastic ... ..	6 dr.
Venice turpentine ... ..	2 dr.
Spirit ... ..	16 oz.

The labels should be sized twice and fully dry before applying the varnish. Two coats should be given. The size is made by dissolving gelatin 1 oz. in water 20 oz.

### Lemon Linctus

*Can you provide a suitable formula for a lemon linctus?*

THE following formulas taken from or based on "Pharmaceutical Formulas," Vol. I, contain lemon as one of the principal ingredients:—

I	
Emuls. chlorof. ... ..	1 fl. oz.
Succ. limon ... ..	5 fl. oz.
Glycerin. ad ... ..	20 fl. oz.
Oxy. scillae, Syr. limonis, Syr. pruni Virg., Glycerini	aa.p.aeq.

II	
Tr. scillae	5 min
Syr. limonis,	aa. } 20 min
Syr. pruni Virg.	
Glycerin. ad	1 dr.

### Red Worm Mixture

*Have you a formula for a red worm mixture for puppies and dogs?*

THE following will probably meet your requirements. The quantities are for puppies over eight weeks old.

Ol. chenopodii ... ..	5 dr.
Santonini ... ..	1 dr.
Chloroformi ... ..	2 dr.
Sp. æth. nit. ... ..	½ fl. oz.
Ol. terebinth. ... ..	45 min.
Ol. anisi ... ..	½ fl. oz.
Ol. ricini ... ..	10 fl. oz.
Ol. olivæ ... ..	3 fl. oz.
Ol. rubr. ... ..	q.s.

I drachm is given in 1 dr. of castor oil. If no action of the bowels occurs in four hours after the first dose, give 2 dr. castor oil. If no worms are passed, the dose is repeated in two hours.

### Deodorant Creams

*I require a formula for a deodorant cream having a vanishing cream base.*

We give a formula for a deodorant cream:—

Salicylic acid ... ..	10
Bismuth subnitrate ... ..	15
Zinc oleate ... ..	10
Base ... ..	975

A suitable vanishing cream base may be made to the following formula:—

Stearic acid ... ..	2 oz.
Caustic soda ... ..	35 gr.
Glycerin ... ..	1 oz.
Distilled water ... ..	10 oz.

Pour a hot solution of the soda in the water into the melted acid while stirring. Keep warm and stir until cream becomes opaque. Add the glycerin. Mix.

### Liquid Fertiliser

*Can you supply a formula for a general liquid fertiliser?*

THE following formula should meet your requirements:—

Superphosphate of lime ... ..	1 lb.
Sulphate of ammonia ... ..	½ lb.
Sulphate of potash ... ..	½ lb.

Dissolve in 30 gall. of water and apply at the rate of 3 gall. per sq. yd.

### Fire-lighters

*Can you describe a method and give some formulas for making fire-lighters?*

THE following formulas should prove suitable:—

Resin or pitch ... ..	10 parts
Sawdust ... ..	10 or more parts
Melt and mix and cast in forms.	

Resin dark ... ..	30 parts
Petroleum oil thin ... ..	5 parts
Sawdust ... ..	65 parts

Mix and compress strongly into bricks.

Distillery waste ... ..	20 parts
Paraffin crude ... ..	10 parts

Mix in a heated dough mixer. Mix in Sawdust ... .. 20 parts Charcoal or coal dust ... .. 10 parts

Compress strongly into bricks.

### Colouring Limestone Chippings

*I have been asked to colour limestone chippings for ornamental purposes. The stones, when coloured, must neither be affected by sunlight or water nor be detrimental to plant life.*

WE have strong doubts whether any colour applied to limestone chippings would be long resistant to the effects of sun and rain, but we believe you would get greatest satisfaction from using a spirit-soluble aniline dye. The difficulty about the more permanent colours often used in building materials is that so many of them are insoluble pigments that can be intermixed with other powdered materials but cannot be very successfully applied to solids. You might experiment with shaking up samples of chippings with one of the powders to see if they pick up the colour. The pigments referred to are prussian blue, ultramarine blue, red iron ore, venetian red, yellow ochre and burnt umber. The resulting shade would vary with the amount taken up. On theoretical grounds it would seem that the more permanent the resulting colour the less would be the control of the shade. The effect on plant life would have to be ascertained.

## TRADE MARKS

### APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 5

For medicated confectionery (5)

SMOGLETS, 723,479, by Thomas Sherwood Oliver, London, N.6.

For pharmaceutical preparations excluding medicated confectionery (5)

D.D.D. 3-D, 723,790, by D.D.D. Co., Ltd., Watford, Herts.

For medicated preparations for the treatment of the scalp (5)

ALCOCHIN, 725,823, by Nederlands Laboratorium voor Haaronderzoek, Delft, Holland.

For benzene, benzene derivatives and preparations containing benzene (5)

PHENSEDYL, 726,784, by May & Baker, Ltd., Dagenham, Essex.

For veterinary preparations containing halibut oil (5)

HALIVET, 727,221, by The Crookes Laboratories, Ltd., London, N.W.10.

For all goods excluding medicated toilet paper (5)

SKRIP, 727,394, by John Richardson & Co., Leicester, Ltd., Leicester.

For pharmaceutical preparations, medical and surgical plasters, bandaging materials and first aid outfits (5)

TOILOK, 727,960, by R. Sculthorp & Co., Ltd., London, E.C.4.

For pharmaceutical preparations (5)

FIBROSINE, 726,949, by International Chemical Co., Ltd., London, N.16. ALDOCORTEN, 727,884, by Ciba, Ltd., Basle, Switzerland. ACYLANID, 728,453, by Sandoz, A.G., Basle, Switzerland.

For laxative preparations (5)

JUNILAX, 727,979, by Henry Wild, Blackpool, Lancs.

For all goods (5)

TENDORO, 722,263, by C. & O. Produce Market Co., Ltd., London, E.C.2. PELDOX, 723,850, by Harker Stagg, Ltd., London, E.1. DULACTIN, 724,345, by the Wellcome Foundation, Ltd., London, N.W.1. CALIP-SIN, CICATRIN, 724,842 and 727,902, by Calmic, Ltd., Crewe, Ches. POSALFILIN, 727,059, by Camden Chemical Co., Ltd., London, W.C.1. RH, B728,225, by Richard Huddnut, Ltd., London, W.4. NAREMIDE, 728,244, by Sharp & Dohme, Ltd., Hoddesdon, Herts. LYTENSENE, 728,341, by May & Baker, Ltd., Dagenham, Essex.

For preparations of carbon for use as nutritional aids by addition to animal feeding stuffs (5)

ACTGRIT, 728,121, by Marian and Walmsley, Ltd., London, W.C.2.

From the "Trade Marks Journal," May 12

For industrial and scientific chemical products (1) DISMULGAN, 716,747, by Cassella Farbwerke Mainkur, A.G., Frankfurt, Germany.

For all goods (3)

BERCEM, 726,663, by Berend Chemical, Ltd., London, W.1.

For non-medicated toilet preparations (3)

GROOMANE, 727,204, by Groomane Co., London, W.1. PEPSOFYL, 727,710, by Pepsodent, Ltd., Isleworth. OLVALIN, 727,709, by Vinolia Co., Ltd., London, E.C.4.

For soaps and detergents, all in liquid form (3)

LIQUI-CIDAL, 727,466, by J. Bibby & Sons, Ltd., Liverpool.

For toilet shampoos and preparations for the hair (3)

CETAVLON, 728,031, by Imperial Chemical (Pharmaceuticals), Ltd., London, S.W.1.

For pharmaceutical preparations for human use and veterinary use and sanitary substances (5) SPLENDOTHELAN, 716,224, by Gebr. Patermann, Kirn/Nahe, Germany.

For pharmaceutical, veterinary and sanitary substances, medical and surgical plasters, and bandaging materials (5)

SCHWARZA-NIGRAN, 723,791, by Veb Thüringisches Kunstfaserwerk Wilhelm Pieck Schwarza, Rudolstadt, Germany.

## TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MAY 19: The values of most commodities in the CRUDE DRUGS market held firm during the week because of shortage of supplies. Demand was again closely linked with such items as good quality RHUBARB, BUCHU and IPECACUANHA which are only available in meagre quantities.

The parcel of East European ERGOT referred to in last week's report was sold and offers are now on a c.i.f., basis. African GINGER advanced 20s. per cwt., but there was no demand for Jamaican and sellers were offering it at 5s. per cwt. less than in the previous week. Most PEPPERS rose in price through Continental buying, while TURMERIC was quoted dearer for shipment. Holders of Zanzibar CLOVES shaded their price a little but the shipment rates were unchanged. Chinese MENTHOL was obtainable at 29s. per lb., duty paid (although some quarters were making the market firmer), while the shipment price was down by ninepence per lb. More supplies of Chinese star ANISEED are now available and the price has eased in consequence. Ceylon is reported to have made large purchases of CORIANDER SEED in Morocco. The SHELLAC market was inclined to be easier. Of the 12,040 packages of shellac shipped from India during April, the United Kingdom purchased 3,984, the United States 2,610, and the Continent 3,261. There was little change in the CAMPHOR position but there were shipment offers of Formosan powder and Chinese tablets.

CAFFEINE and THEOBROMINE were again increased in price. Both forms of the caffeine alkaloids were advanced by one shilling per lb. and salts by sixpence. Theobromine alkaloid was 2s. 6d. per lb. dearer and the salts, 1s. 3d. Similarly THEOPHYLLINE is in tight supply and the alkaloid is now fully 22s. per lb. for 1-cwt. lots against 17s. a few months ago, while AMINOPHYLLINE is correspondingly dearer. That position has arisen through German manufacturers' having sold production well ahead and offers for shipment are now for September delivery.

FERROUS SULPHATE crystals were advanced by 6s. per cwt. Several more items including LITHIUM HYDROXIDE (see p. 517), have been added to the list of chemicals at present exempted from Key Industry Duty.

In the ESSENTIAL OILS market the most important feature was provided by Ceylon CITRONELLA which was actually sold at 5s. per lb. on the spot against 3s. 10½d. asked in the previous week. For some time now the prices at origin have been higher than those on the London market. Supplies having been almost cleared holders of the little remaining material are asking a price more in keeping with the replacement cost. Java and Formosa oils were also quoted firmer. Spot quotations for ANISE were about fourpence per lb. dearer; PETITGRAIN advanced by 3s. 6d.; Bourbon GERANIUM by 1s. 6d. and PALMAROSA by 5s. Oils quoted cheaper included Madagascar CLOVE LEAF (threepence per lb. lower); LEMON-GRASS (sevenpence) and Chinese PEPPERMINT (threepence).

A report from Norway hints at a forthcoming shortage in COD-LIVER OIL. Up to May 8 the total production of this season's crude oil for the whole country amounted to 40,342 hectolitres against 45,206 hectolitres in 1953 which season was one of the worst experienced by the industry. The output in 1952 of 85,546 hectolitres, the report says, may be regarded as a normal season.

### UNITED STATES DRUG AND CHEMICAL REPORT

NEW YORK, MAY 18: In MERCURIALS, a leading producer marked up prices sharply as a result of a persistent advance in MERCURY. The increase in the various mercurials ranges from 10 cents to 45 cents per lb. and is the second in about ten days. The most important feature in the ESSENTIAL OILS market was a 75 cent. per lb. drop in Californian LEMON to \$6.50 per lb. The decline in this item came as no surprise to the trade as the new lemon crop is scheduled to reach the market in the near future. Increased acreage devoted to lemon trees was mentioned as a strong factor in easing the supply situation. GRAPEFRUIT oil also displayed softness, declining 15 cents to \$2.50. CRUDE DRUGS were without feature following their flurry of price changes in the previous week.

The Census Bureau in Washington, in a preliminary estimate, reported that March exports of chemicals and related products from the United States were estimated at \$66.7 millions against \$73.2 millions for February. Imports on the other hand rose from \$23 millions in February to \$26 millions.

### Pharmaceutical Chemicals

BORIC ACID.—Prices for B.P. grade in quantities of 1-ton and upwards are as follows:—Granular, £80; crystal, £87; powder £84 10s.; extra-fine powder £86 10s. per ton, in 1-cwt. bags carriage paid in Great Britain. Surcharges for smaller quantities: Less than 1 ton but not less than 5-cwt., 1s. per cwt., 3-cwt., 2s.; 1-cwt., 3s.

CAFFEINE.—Dearer. For 1-cwt. lots, ALKALOID, B.P. is 22s. per lb.; ANHYDROUS ALKALOID, 23s. and CITRATE, 14s.

CALAMINE.—1-cwt. lots are 1s. 7d. per lb.; 10-cwt., 1s 5½d.

CALCIUM CARBONATE. — B.P. powder is £24 10s. per ton, ex store.

CHLORAL HYDRATE. — In 1-cwt. lots the price is from 3s. 10d. per lb. as to holder.

CHLORIBUTOL.—28-lb. lots are at the rate of 10s. per lb.

CITRATES.—Rates (per lb.) are as follows:—POTASSIUM, 1-cwt. lots, 3s. 6½d.; 28-lb., 4s. 6d.; SODIUM, 1-cwt., 2s. 11½d.; 28-lb., 3s. 10d. (powder of both salts twopence more). IRON AND AMMONIUM, 1-cwt. lots, 3s. 10½d. granulated, 4s. 2½d. scales.

CRESOL.—Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

FERROUS SULPHATE. — Dearer. 1-cwt. lots of B.P. crystals are 42s. 6d. per cwt. and 5-cwt., 40s.; granulated, 2s. 6d. per cwt. more. EXSICCATED is 95s. per cwt. and 5-cwt., 91s.

GLYCEROPHOSPHATES.—Rates per lb. for 1-cwt. lots are as follows:—ACID B.P.C., 20 per cent., 5s. 9d.; CALCIUM, soluble, B.P.C., 11s. 9d.; IRON, B.P.C., scale, 15s. 9d. and powder, 14s. 9d.; MAGNESIUM, soluble B.P.C., 14s. 3d., and insoluble, 7s. 6d.; MANGANESE, B.P.C., 26s. 3d.; POTASSIUM 50 per cent., B.P.C., 3s. 9d. and 75 per cent., B.P.C., 5s. 6d.; SODIUM, 50 per cent., B.P.C., 3s. 1d. and 75 per cent., B.P.C., 4s. 6d.

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are: ALKALOID, 49s.; HYDROBROMIDE, 29s. 9d.; HYDROCHLORIDE, 42s.; METHYLBROMIDE, 40s. 6d.; SULPHATE, 41s. 6d. 1-oz. rates are 6d. per oz. higher in all cases.

PARAFFINS. — Prices to wholesaler distributors are as follows:—Liquid: HEAVY, B.P., £98 17s. 6d. per ton; LIGHT, B.P., £81; light TECHNICAL WHITE, £68 10s., all in 40-45 gall. returnable loaned drums, delivered U.K. Soft: WHITE, medium consistency, £92 15s. per ton; WHITE, soft consistency, £90 10s., and YELLOW, £70 10s., all B.P., in non-returnable drums delivered. Hard: Melting point 135/140° F. is £86 17s. 6d. and 145/150° F., £93 5s. per ton, in minimum 1-ton lots, ex works.

PHENOL. — Basic prices for crystals in drums is 1s. 4d. per lb., and for LIQUID, B.P., 1s. 3½d.

PHENYLACETIC ACID. — In 1-ton lots the price is now 5s. 6d. per lb.; 1-cwt., 6s. per lb. Perfumery grade, re-crystallised is from 8s. 6d. to 11s. 6d. per lb., as to quantity.

SULPHUR. — B.P. PRECIPITATED is £105 per ton, or £110 per ton for 1-cwt. lots.

THEOBROMINE. — Dearer. ALKALOID is now quoted at 26s. 6d. per lb. and the SODIUM SALICYLATE, 17s. 6d. for 1-cwt. lots.

THEOPHYLLINE. — Scarce and firmer. 1-cwt. lots of ALKALOID are now quoted at 22s. per lb. and AMINOPHYLLINE at 22s. 6d. Forward quotations are for September delivery.

### EXCHANGE RATES ON LONDON

#### At the opening on Wednesday

On May 13 the BANK RATE was lowered to 3 per cent.

*Alexandria	Piastres to £	97½-97½
Amsterdam	Florins to £	10.56-10.72
*Bombay	Shillings to	
	rupee	1½5½-1/6½
Brussels	Francs to £	138.95-141.05
Copenhagen	Kronor to £	19.194-19.484
Dutch West		
Indies	Florins to £	5.24-5.32
*Hong Kong	Shillings to \$	1/2½-1/2½
*Karachi	Shillings to	
	rupee	2/1½-2/1½
Lisbon	Escudos to £	79.90-81.10
*Montreal		
T.T.	Dollars to £	2.77½-2.77½
New York		
T.T.	Dollars to £	2.78-2.82
Oslo	Kronor to £	19.85-20.15
Paris	Francs to £	972.6-987.3
Stockholm	Kronor to £	14.37½-14.59½
*Singapore	Shillings to £	2/3½-2/4½
Zurich	Francs to £	12.15½-12.33½

\*Free market rates; remainder Bank of England.

## Crude Drugs

AGAR. — *Kobé* No. 1 on the spot is 17s. 6d. to 18s. per lb. Shipment, 15s. 9d., c.i.f.

ALOES. — Stocks of Cape prime and f.a.q. are cleared on the spot. A few shipment offers for small lots were received. Curaçao is 30s. on the spot and 290s., c.i.f., for shipment.

ANISEED. — Chinese star is offered at 200s. per cwt., duty paid and 150s., c.i.f.

ARECA NUTS. — Quotations are about 45s. per cwt. for Ceylon material on the spot. Shipment, 42s. 6d., c.i.f.

ASAFCETIDA. — Persian block is from £10 to £14 per cwt., duty paid, as to quality.

BENZOIN. — Sumatra block No. 1 on the spot is from £30 to £34 per cwt.

BUCHU. — Value of new-crop leaves on the spot is 2s. 6d. per lb. No shipment offers.

CAMPHOR. — Scarce. Powder and tablets cleared on spot. Shipment offers (c.i.f.) as follows: Tablets (Chinese),  $\frac{1}{2}$ -oz., 4s. 10d. per lb.;  $\frac{1}{4}$ -oz., 4s. 11d.;  $\frac{1}{8}$ -oz., 5s. 1d.; Powder, B.P. (Formosan), 4s. 11d.

CAPSCICUM. — East African on stalk are 160s. per cwt., spot. Abyssinian, off stalk, 175s., spot.

CARDAMOMS. — Aleppy greens are 14s. per lb. on the spot; prompt shipment offers are 13s., c.i.f. and new-crop (September-October), 11s., c.i.f.

CASCARA SAGRADA. — Offers for prompt shipment are 275s. per cwt., c.i.f.; spot supplies are 320s., duty paid. Offers of new-crop indicate 235s. to 240s., c.i.f.

CASSIA BARK. — Whole on the spot is about 90s. per cwt., in bond, and for forward delivery, 78s., c.i.f. Broken 78s. in bond, and 66s., c.i.f.

CINCHONA. — A parcel of *ledgeriana* bark, t.a., 9.28 per cent, is offered at 2s. per lb. on the spot. *Succirubra*, t.a., 6.8 per cent., is offered at 1s. 7½d.

CINNAMON. — Ceylon for shipment (c.i.f.), per lb.: OOOO, 4s.; OOO, 3s. 10d.; OO, 3s. 9d.; O, 3s. 8d.; firsts, 3s. 2d.; seconds, 3s. 1d.; thirds, 3s.; quillings, 2s. 3d.; featherings, 1s. 2d.; chips, 6d. to 6½d.

CLOVES. — Quiet. Zanzibar on the spot are 4s. 5d. per lb.; prompt shipment, 4s. 1½d., c.i.f.

COCHINEAL. — Black brilliant is 10s. 8d. per lb.

COLCHICUM. — Corms on spot are offering at 2s. 3d. per lb., and seeds, 6s.

ERGOT. — Quiet. Portuguese is 16s. 6d. per lb. on the spot. Portuguese for shipment, 13s. 6d., c.i.f. and East-European, 7s., c.i.f.

GALANGAL. — Root is quoted at 80s. per cwt., c.i.f., for shipment.

GINGER. — African on the spot is firmer at 185s. per cwt. with new crop offers at 180s., c.i.f. Jamaican No. 3 is easier at 220s.

GUM ACACIA. — Kordofan cleaned sorts on the spot are quoted at 132s. 6d. per cwt., with afloat at 120s. Forward shipment, 118s., c.i.f.

HYDRASTIS. — Root is 18s. per lb., on the spot.

IPECACUANHA. — Spot market almost bare, a small quantity of Nicaraguan offered at 60s. per lb.; afloat, 56s., c.i.f. Colombian on spot, 52s. 6d.; shipment not offered. Matto Grosso 44s. 6d., c.i.f.

KARAYA. — No. 1 gum on the spot is quoted dearer at 265s. per cwt.; No. 2 is 170s.

KOLA NUT. — African halves are available on the spot at 5½d. per lb.

LANOLIN. — In 1-ton lots the price of ANHYDROUS, B.P., is from 167s. to 185s. per cwt., according to texture. HYDROUS is 145s. in free drums, delivered.

LOBELIA. — Herb is quoted at 3s. 6d. per lb. on the spot.

MENTHOL. — Spot. Chinese is about 29s. per lb., duty paid, and for shipment, 26s. 9d., c.i.f.

MERCURY. — Nominal spot value is from £85 per flask (76-lb.), ex warehouse.

MYRRH. — Aden selected sorts are about £14 per cwt. on the spot. Siftings are from £7.

NUTMEGS. — West Indian 80's quoted at 2s. 8d. per lb. on the spot and 2s. 5½d., c.i.f., for shipment.

PEPPER. — Firmer. Sellers of White Sarawak now ask 5s. 9d. per lb., spot; afloat, 5s. 9d., c.i.f. Black Sarawak, 5s. 3d., spot; shipment, 4s. 9d. to 5s., c.i.f. Black Malabar, 590s. per cwt., spot; 525s., c.i.f., May shipment.

SAFFRON. — Mancha superior is about 152s. and selecta, 149s. per lb.

SANDARAC. — Moroccan is 12s. 9d. per lb. on the spot.

SEEDS. — (Prices per cwt.). ANISE. — Cyprian, 167s. 6d. spot, London. CARAWAY. — Dutch steady with business reported at 145s., duty paid. CELERY. — Indian unchanged with sellers quoting 190s. on spot.

CORIANDER. — Spot: Moroccan 60s., duty paid (55s. in bond); English, 72s. 6d. Shipment: Moroccan old-crop, 49s. 6d., c.i.f. and new-crop, 52s. 6d., c.i.f. Ceylon is reported to have purchased large quantities in Morocco. CUMIN. — Small business passing. Spot, Cyprian 125s.; Moroccan, 125s., duty paid (115s. in bond). Shipment, Cyprian, 112s. 6d. Moroccan old-crop, 105s., c.i.f. DILL. — Indian quiet with sellers at 85s., spot London. FENNEL. — Indian 95s. to 97s. 6d., spot, London. FENUGREEK. — Moroccan, 47s. 6d., duty paid. MUSTARD. — English, 65s. to 85s., according to quality.

SHELLAC. — Spot quotations are: — F.O.T.N. pure, 267s. 6d.; F.O. standard No. 1, 285s.; fine orange, 310s. to 350s. per cwt., ex-London warehouse.

SQUILL. — Italian white on the spot is 70s. per cwt. nominal. No. 2 is about 60s., no offers of white from origin.

STRAMONIUM. — Indian LEAVES are 5½d. per lb., spot and European, 97s. 6d. per cwt.

STYRAX. — Spot is 5s. 9d. per lb., duty paid.

TAMARINDS. — Supplies of West Indian are offered at 50s. per cwt., duty paid.

TONKA BEANS. — Frosted Para on the spot are offered at 6s. per lb. No shipment offers.

TRAGACANTH. — No. 1 ribbon on the spot is £105 per cwt.; No. 2, £85; No. 3, £65.

TURMERIC. — Madras finger on the spot is quoted at 160s. per cwt.; afloat, 118s. and May-June shipment, 115s.

UVA URSI. — Spot offers are about 85s. per cwt.

VALERIAN. — Indian is 145s. per cwt. on the spot and from 130s. to 145s., c.i.f. Belgian, 185s., spot.

VANILLIN. — Rates (per lb.) are: — 5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

WAXES. — BEES'. — Dar-es-Salaam. Spot about 485s. per cwt. May shipment, 475s., c.i.f.; Sudanese, 430s., in bond and 410s., c.i.f.; Abyssinian, spot, 470s. and shipment 415s., c.i.f. Benguela, 475s. duty paid and 415s., c.i.f. CANDELLILA. — Spot is 630s. per cwt. CARNAUBA. — Prime yellow on the spot is 1,000s. per cwt.; shipment, 970s., c.i.f.; fatty grey is 690s., on the spot; shipment, 665s., c.i.f. MONTAN. — Reibeck, crude, 130s. per cwt., spot. SPERMACELE. — Case lots are about 1s. 9d. per lb.

WITCH HAZEL. — Leaves on the spot are about 1s. 9d. per lb.

## Essential and Expressed Oils

ALMOND. — B.P. is from 6s. to 7s. 6d. per lb., as to quantity.

ANISE. — Spot supplies are scarce and dearer at 9s. 9d. per lb. Shipment prices nominal at 9s. 4½d., c.i.f.

BERGAMOT. — Spot value is about 80s. per lb.

BIRCH TAR. — Rectified is about 14s. per lb. in 1-cwt. lots.

CADE. — Spanish is about 2s. 3d. per lb. on the spot for 1-cwt. lots.

CALAMUS. — Imported oils are offering from 75s. per lb.

CASCARILLA. — Imported is from 320s. per lb.

CASSIA. — Original drums are about 9s. 6d. per lb. for spot and 9s., c.i.f.

CASTOR. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £141 per ton, naked, ex mill. Forward from £133 to £138 as to position.

CEDARWOOD. — Spot quotations for African are from 5s. per lb.

CELERY. — Quotations are from 125s. per lb.

CHAMOMILE. — English-distilled is from 320s. per lb.

CHENOPodium. — 1-cwt. lots are 52s. 6d. per lb.

CITRONELLA. — Very firm. Prices (per lb.) are: — Ceylon, spot, 5s. paid; shipment, 4s. 10d., c.i.f.; Java, 6s. 4d., duty paid; shipment, 5s. 8d., c.i.f.; Formosa, 6s. 4d., duty paid, and 5s. 8d., c.i.f.

CLOVE. — Madagascar leaf is 11s. 6d. per lb., duty paid, and 9s. 8d., c.i.f., for shipment. Redistilled stem oil from 17s. 6d., and English distilled bud oil is now offered at 55s.

COD-LIVER. — B.P. is 10s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

GERANIUM. — Bourbon is 81s. 6d. per lb. on the spot. Shipment, 80s., c.i.f.

HYDROCARPUS. — Spot is scarce at 2s. 2d. per lb.

JUNIPER BERRY. — Imported oils are offered at 17s. 6d. per lb., duty paid. English-distilled is offered at 75s. to 80s. per lb.

LEMONGRASS. — East Indian is again easier at 8s. 9d. per lb. on the spot with forward offers (May-June), 8s. 5d., c.i.f., July-August, new-crop, 8s.

LIME. — Supplies of West Indian distilled are offered from 45s. to 50s. per lb. on the spot.

NUTMEG. — English-distilled oil is from 42s. 6d. to 44s. per lb. Imported oil is offered at 23s. 6d. per lb., duty paid for drum lots.

ORANGE. — Spot offers for sweet vary between 8s. and 10s. 6d. per lb. as to quality. West African is quoted at 8s. 9d., c.i.f. Bitter orange, 24s. spot. Californian sweet, 6s., c.i.f., and cold-pressed U.S.P., 9s. 3d., c.i.f., subject to licence.

OTTO OF ROSE. — Anatolian is offered on the spot at 300s. per oz., and Bulgarian, 480s. ex warehouse.

PALMAROSA. — East Indian is from 60s. to 62s. 6d. per lb., on the spot, and 56s. 6d., c.i.f., for shipment.

PEPPERMINT. — *Arvensis*: Chinese is 19s. 3d. per lb., spot, and 19s., c.i.f. May/June shipment: Brazilian (45 per cent.), 17s. 6d., spot and 17s., c.i.f. for shipment. Italian "Mitcham" type oil is from 45s. to 47s. 6d. per lb. on the spot.

PETITGRAIN. — Paraguay on the spot is 24s. 6d. per lb., and for June-July shipment 21s. 6d., c.i.f. is quoted.

ROSEMARY. — Spanish oil on the spot is about 5s. 9d. per lb., duty paid, for B.P. quality.

## CHIEF PHARMACISTS OF SOME OF THE LARGER HOSPITALS IN THE UNITED KINGDOM

Concluded from THE CHEMIST AND DRUGGIST, May 8, p. 491

BSc=Bachelor of Science, DBA=Diploma in Biochemical Analysis, DPA=Diploma in Public Administration, F=Fellow of the Pharmaceutical Society, M=Member of the Pharmaceutical Society, MNI=Member of the Pharmaceutical Society of Northern Ireland, BPharm=Bachelor of Pharmacy, PhD=Doctor of Philosophy.

### England and Wales

#### SOUTHAMPTON

Royal South Hants: E. W. Jenkins, F  
General: Helen Gibb, M  
Children's: C. Miller, BPharm  
Eye Hospital: C. Loftus, M

#### AMENDMENTS

to the list published in the C. & D., May 8, p. 491.

Ashford hospital is in Ashford, Middlesex; Willesborough hospital is in Ashford, Kent; Brockhall hospital is in Langho, nr. Blackburn; Farnborough hospital is in Farnborough, Kent. St. Helier hospital should have appeared under Carshalton, Surrey, and not Carmarthen.

### Scotland

#### ABERDEEN

Royal Infirmary: H. N. F. Kinniburgh, F, BSc  
Royal Aberdeen Hospital for Sick Children: K. B. Stewart, M  
Woodend General: E. W. Duncan, M  
BRIDGE-OF-EARN: J. J. Marshall, F  
BROXBURN Bangour: Huldah H. P. Carus (Mrs.), F

DUMFRIES Dumfries and Galloway Royal Infirmary: D. Macfarlane, M

#### DUNDEE

Maryfield: Mary A. N. Allardice, M  
Royal Infirmary: Jancette M. Adam, M  
EAST KILBRIDE Hairmyres: Alexandrina Sproat, M  
EDINBURGH Royal Infirmary: G. Perrins, F, PhD

#### GLASGOW

Eye Infirmary: Dora T. Gemmill, M  
Robroyston: Sarah M. Graham, M  
Royal Hospital for Sick Children: Helen L. Smith, F, BSc(Pharm)  
Royal Infirmary: J. T. West, M  
Southern General: J. S. Ley, M, DPA  
Stobhill: D. W. Blackwood, F, BSc(Pharm)  
Victoria Infirmary: J. Tweedie, F  
Western Infirmary: T. Morrison, M  
GREENOCK Royal Infirmary: A. C. Fullarton, M, DBA  
INVERNESS Raigmore: Annie J. Dick, M  
IRVINE Ayrshire Central: A. Roxburgh, M  
MAUCHLINE Ballochmyle: W. J. Pullar, F  
NEWTON MEARNES Mearns Kirk: F. Buchanan, M  
STIRLING Royal Infirmary: J. Hunter, M, DBA  
STONEHOUSE County: J. T. Whannell, M

### Northern Ireland

BALLYMENA Waveney: W. H. J. Dalzell, MNI  
BELFAST  
City: J. Coulter, MNI  
Musgrave Park: W. Brown, MNI  
Royal Victoria: J. H. Restrigh, MNI

## PRICE CHANGES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; \*—Tax 25 per cent; †—Tax 75 per cent.

ENERGEN FOODS CO., LTD. (from June 1)  
Energen rolls 9 1 0 R

ELI LILLY & CO., LTD. (from June 14)  
Each 12 0 R  
Neolin 60 c.c. 12 0 R

Claims from retail pharmacists for rebate on any stock held at the close of business on June 12 should be made direct to Eli Lilly & Co., Ltd., before June 21, quoting the batch number.

SMITH & NEPHEW, LTD. (from May 24)  
Each

Paramisan sodium :  
powder, 100 gm. 7 0 R  
250 gm. 13 8 R  
500 gm. 24 8 R  
1,000 gm. 44 0 R  
Pashets, 100 13 4 R  
300 32 0 R  
500 53 0 R  
tablets, 100 5 6 R  
500 19 0 R  
granules, 300 15 0 R

### P.A.T.A. PROTECTED LIST

(Prices notified this week by the Proprietary Articles Trade Association)

#### ADDITIONS TO PROTECTED LIST

JOHN BELL, HILLS & LUCAS, LTD.  
Compound pholcodine tablets\* 10 11 6 1 10

SLIMAD PRODUCTS, LTD.  
Dox. 97 3 12 9  
Slimso chocolates\* box

#### DELETIONS FROM PROTECTED LIST

ALLEN & HANBURYS, LTD.  
Allenburys castor oil; Charkaolin tablets; cod-liver oil; Glycurrant cough linctus; Lixen pastilles; magnesia with paraffin; yeast tablets.

BENGUE & CO., LTD.  
Eupurgo.

BONCILLA  
Vanishing cream; cold cream; and face powder.

R. DEMUTH, LTD.  
Spic shampoo powder; toilet talcum powder.

EVANS MEDICAL SUPPLIES, LTD.  
Ephregel nasal jelly.

GLAXO LABORATORIES, LTD.  
Colloidal calcium with Ostelin; Kapiion ampoules and tablets.

HARKER STAGG, LTD.  
Nyal Figsen.

HERTS PHARMACEUTICALS, LTD.  
Nivea hair oil.

THE IGLODINE CO., LTD.  
Iglodine shaving cream; cremor.

LUFT-TANGEE (LONDON), LTD.  
Tangee face powder.

MULTIPAX CHEMICALS, LTD.  
Norhaem.

BOB MARTIN, LTD.  
Cough powders for dogs; Tibs cough powders; Stocksense poultry conditioner.

WM. R. WARNER & CO., LTD.  
Diatrin; Urolucosil.

NEW PRODUCTS AND PACKS  
BRITISH CHEMOTHEUTIC PRODUCTS, LTD.  
Bisks 21 3 10  
42 7 4

B. N. FURMAN (PRODUCTIONS), LTD.  
Pride hair lacquer† 18 0 3 9

D. & W. GIBBS, LTD.  
Astral soap bath size\* 1 2

LEHN & FINK PRODUCTS, LTD.  
Etiquet cream deodorant\* 17 0 2 6

NEWBALL & MASON, LTD.  
Mason's extract of herbs 11 6 1 3

E. SALLIS, LTD.  
Surgical tubular stockinette Doz.  
1 in. x 1 yd. 3 6  
1½ in. x 1 yd. 4 3  
2 in. x 1 yd. 5 0  
2½ in. x 1 yd. 5 9  
3 in. x 1 yd. 6 9

THE SCHOLL MANUFACTURING CO., LTD.  
Dr. Scholl's Ball-o-foot 26 0 3 3  
cushion 12 0 1 6  
Soft-step

A. I. WHITE, LTD.  
Murine eyedrops\* 3 10

JOHN WYETH & BRO., LTD.  
Aludrox tablets 500 24 0

## COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

### Monday, May 24

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Unicorn Hotel, Gidea Park, at 7.45 p.m. Meeting to hear Branch Representatives' report on the proceedings at the meeting held in London on May 20.

### Tuesday, May 25

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Church Institute, 27 Romford Road, Stratford, London, E.15, at 8 p.m. Annual meeting.

ROYAL SOCIETY OF ARTS, John Adam Street, Adelphi, London, W.C.2, at 5.15 p.m. Major-General Sir Leonard Rogers on "Progress Towards the Eradication of Leprosy from the British Commonwealth." (Illustrated lecture.)

### Wednesday, May 26

CROYDON PHARMACISTS' ASSOCIATION AND BRANCH, Woodcote Park Golf Club, Coulsdon, at 2 p.m. Golf match, Croydon chemists versus Epsom and Sutton chemists.

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, Dartford, at 8 p.m. Dr. F. E. Camps on "What Shall We Do With The Barbiturates?"

### Thursday, May 27

WEST HAM PHARMACISTS' ASSOCIATION, Roche Products, Ltd., Welwyn, Herts. Coach picks up at Barking (corner of Glenny Road and Longbridge Road), at 1.10 p.m.; at Ilford Hill, at 1.20 p.m.; at Stratford (near Boardman's), at 1.40 p.m. for visit to factory.

### Friday, May 28

CROYDON PHARMACISTS' ASSOCIATION AND BRANCH, Café Royal, North End, Croydon, at 8 p.m. Talk by a representative of Thos. Cook & Son, Ltd., on holidays abroad, illustrated by coloured sound films. Followed by the annual meeting.

### Saturday, May 29

GUILD OF PUBLIC PHARMACISTS, 17 Bloomsbury Square, London, W.C.1, at 2.30 p.m. Annual meeting.

## PRINT AND PUBLICITY

### Price Lists

PHARMACEUTICAL SPECIALITIES (MAY & BAKER), LTD., Dagenham, Essex: Amendment to 1954 Medical Products, home edition. Pp. 4.

ROSS ENSIGN, LTD., Walthamstow, London, E.17: Cameras and Accessories; Binoculars; Lenses and Epidiascopes (2-p. leaflets).

WADE PHARMACEUTICALS, LTD., Springfield Laboratories, Bishopbriggs, Glasgow: Medical products, Pp. 8.

### Advertising Campaigns

T. F. BRISTOW & Co., LTD., Boston Manor Road, Brentford, Middlesex: New lanolin powder and liquid shampoos. Half-page in *Daily Express* on May 24, and in other national daily newspapers during May and June.

H. W. CARTER & Co., LTD., Royal Forest Factory, Coleford, Glos: Quosh, in the Press, on London posters and cinema screens.

ENERGEN FOODS CO., LTD., Energen Works, Bridge Road, Willesden, London, N.W.10: Energen foods. Campaign during June in North Wales and Cheshire, during June 21 to July 17 in the East Riding of Yorkshire, Lincolnshire and Rutlandshire.

LUCOZADE, LTD., Great West Road, Brentford, Middlesex: Lucozade. Half-page in *Daily Express* on May 26.

REMINGTON RAND, LTD., Dealer Wholesale Division, 1 New Oxford Street, London, W.C.1: Widespread national advertising in daily, evening and Sunday newspapers, *Radio Times*, *Reveille*, *Week-end Mail*, *Picture Post*, *Illustrated John Bull*, *Everybody's*, *Tit-bits*, *Wide World Mag.*, *Men Only*, *Lilliput*.

# HAY FEVER—

relieve the congestion with

## NEOPHRYN



This powerful nasal decongestant is now available as a spray. Neat and unobtrusive, the new 'Neophryn' nasal spray can be carried in the pocket or handbag and is always available when needed. It has a special micro-jet tip designed to give an adequate dose of 'Neophryn' in a fine even spray.

Chemists can confidently recommend 'Neophryn'—the safe decongestant.

Price :- Trade 2/4d.  
Retail 3/6d.  
Exempt from Purchase Tax.

'Neophryn' Nasal Drops and 1% solution (for specialist practice) are also available.

# NEOPHRYN

Trade Mark

Manufactured in England by

**BAYER**

**PRODUCTS LTD., Africa House, Kingsway, London, W.C.2**

Associated export company: WINTHROP PRODUCTS LIMITED, LONDON.

*Have any  
of your customers  
been to Scotland?*

*They're certain to know all about*

**Askit**

*the Powder that's a household name!*

'Askit' is Scotland's leading Proprietary Medicine for the safe, speedy relief of Headaches, Neuritis, Rheumatic and Nerve Pains.

Manufactured by  
ASKIT LTD : MANUFACTURING CHEMISTS : GLASGOW N

and stocked by  
ALL LEADING WHOLESALE HOUSES THROUGHOUT BRITAIN

**LAPORTE**

*Fine Chemicals*



**HYDROGEN PEROXIDE**

Benzoyl Peroxide, Calcium Peroxide  
Magnesium Peroxide, Zinc Peroxide  
Urea Hydrogen Peroxide  
Sodium Perborate  
Sodium Percarbonate  
Persulphates  
Titanium Dioxide  
Barium Sulphate B.P.  
Sodium Lauryl Sulphate  
Emulsifying Waxes

LAPORTE CHEMICALS LTD., LUTON  
Phone: Luton 4390 Grams: "Laporte Luton"

**A FREE WINDOW DISPLAY TO HELP YOU SELL MORE**

**AURORAL  
COLD WATER DYES**

In 30 popular shades.  
Counter Display Cabinet  
supplied with one gross  
on request.

48/- gross: Retail 6d. pkt. (P.A.T.A.) Less 5% for cash in 7 days

These dyes carry a bigger profit margin than others and now, to help you sell more, we offer, free of charge, a Special Window Display dressed by specialists. This, with our extensive advertising in women's magazines, can mean record sales for you this Season. Write at once to:

**LUTON  
STRAW HAT DYES**

Standard range of twelve colours. Dull or glossy series; supplied complete with brushes for applying the dye.

Large size 18/- per doz. Retail (P.A.T.A.) 2/- per bottle  
Small size 13/6 " " " " 1/6 " "

Less 5% for cash in 7 days

**WHITAKER & CO. (KENDAL) LTD.**  
DYE AND CHEMICAL MANUFACTURERS — KENDAL

**Show 'Elasto' — It Sells on Sight! ★**

**Elasto**  
THE BIOCHEMIC TABLET

Retail Price  
(incl. P.T.)  
5/8d. and 22/7d.

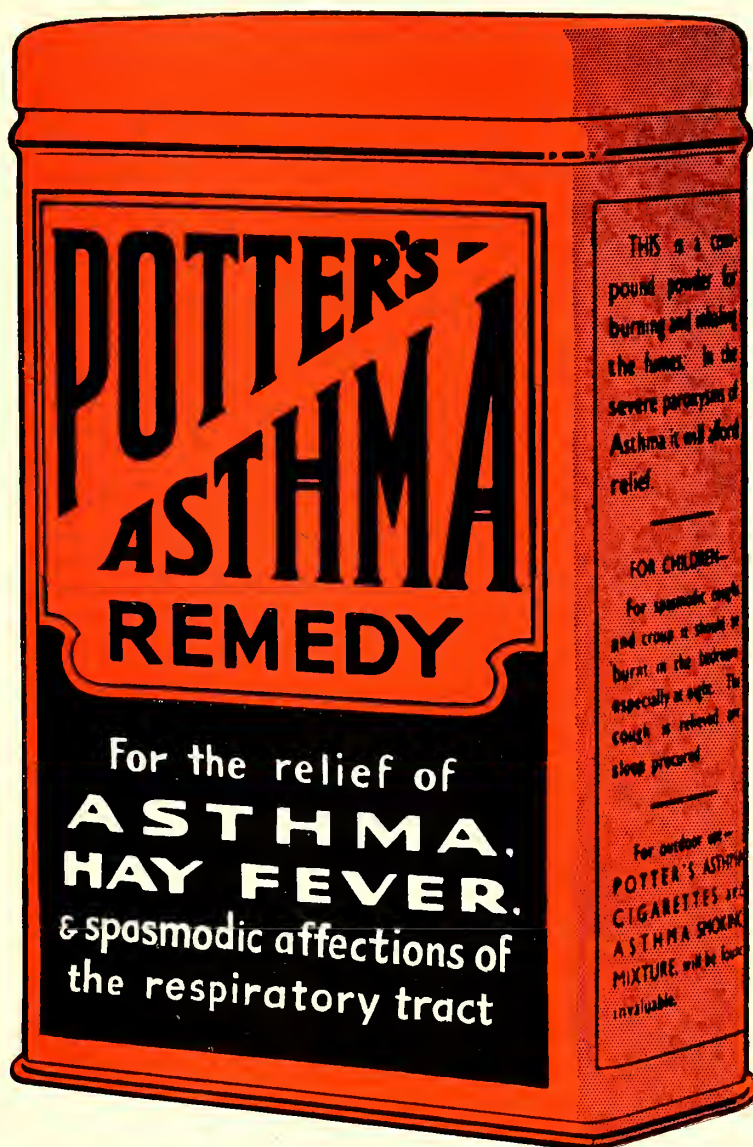
**E**LASTO advertising is widespread and consistent. A steady demand for this fine product is being created at your very door. Link up with this vigorous campaign by reminding your customers that YOU can supply. Your PROFIT IS ONE SHILLING AND SEVENPENCE on each sale!

★ Novel Display Stand free on request  
**NEW ERA LABORATORIES LTD.**  
CECIL HOUSE • HOLBORN VIADUCT • LONDON

So  
well  
known\*



1 doz. tins of  
Potter's Asthma  
Remedy are displayed in  
this coloured container  
Retail 2/11 a tin  
Trade 22/- a doz.  
(Plus Purchase Tax,  
5/6 a doz.)



and so - well  
sold!

The renowned method of relieving attacks of Asthma, Hay Fever, Whooping Cough or Bronchitis. Every tin gives simple directions and contains special Dispenser.

**Orders through Wholesalers only, please!**

\* Regular National-scale  
Advertising continues to  
support this Potter's line

**POTTER & CLARKE**  
LIMITED  
BARKING · ESSEX  
Telephone: RIPpleway 3041



Nowadays practically everyone appreciates the advantages of, and uses, this modern type of dressing.

"ADAPTOPLAST," with its Dressing Pad impregnated with 'Euflavine,' a most soothing medicament for wounds and burns, promotes extremely rapid healthy healing. In addition, the open sides of "ADAPTOPLAST" ensure that the necessary adequate ventilation is provided.

Tins. Retail. 9d. and 1/6d. Trade price 6/5d and 12/10d. dozen.  
 1-yard lengths } 1 1/2" 2/1d. yard 18/- doz.  
 in dispenser } 2 1/2" 2/10d. " 24/4d. "  
 cartons } 3 3/4d. " 28/8d. "  
 Include "ADAPTOPLAST" in your next Plaster Order —  
 £5 Parcel less 2 1/2%. £10 Parcel less 5%.

DISTRIBUTED THROUGH CHEMISTS ONLY.

A PRODUCT OF *Cuxson Gerrard & Co. Ltd.* OLDBURY

BIRMINGHAM.



## VARICOSE VEINS



### 2-WAY STRETCH ELASTIC HOSIERY

This hosiery gives full two-way support and is invisible under most ordinary stockings.

available in the  
following styles

#### NYLON YARN

Seamless, sheer and fully fashioned.  
 Proofed for ladder resistance.  
 Reinforced closed heel.

#### LASTEX YARN TYPE

Seamless, fully fashioned, durable.  
 Proofed for ladder resistance.  
 Reinforced closed heel.

Write for prices, material  
 samples, measurement chart and order forms

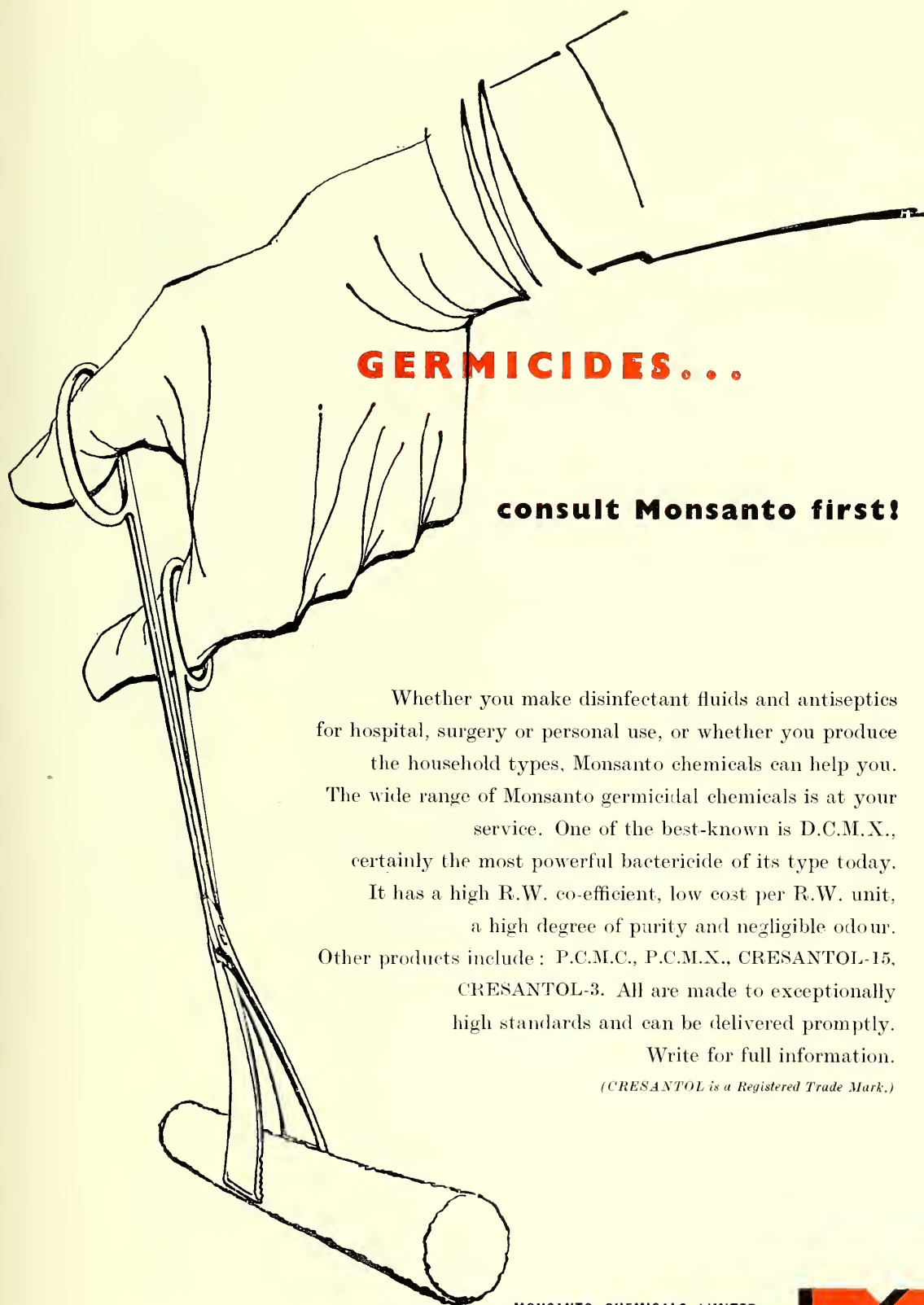
**COLBY PRODUCTS LIMITED**  
 314 EUSTON ROAD, LONDON, N.W.1

**PURE  
CRYSTALLINE  
D3**

Manufacturers:  
**PEBOC  
LIMITED**

Enquiries to SALES OFFICE  
**629/630 TOWER BUILDING  
 LIVERPOOL 3 · ENGLAND**

LABORATORIES  
 GREENFORD · MIDDLESEX

**GERMICIDES...****consult Monsanto first!**

Whether you make disinfectant fluids and antiseptics for hospital, surgery or personal use, or whether you produce the household types, Monsanto chemicals can help you. The wide range of Monsanto germicidal chemicals is at your service. One of the best-known is D.C.M.X., certainly the most powerful bactericide of its type today. It has a high R.W. co-efficient, low cost per R.W. unit, a high degree of purity and negligible odour. Other products include: P.C.M.C., P.C.M.X., CRESANTOL-15, CRESANTOL-3. All are made to exceptionally high standards and can be delivered promptly.

Write for full information.

*(CRESANTOL is a Registered Trade Mark.)*

**MONSANTO CHEMICALS LIMITED,****502 Victoria Station House, Victoria Street, London, S.W.1.**

*In association with: Monsanto Chemical Company, St. Louis, U.S.A. Monsanto Canada Ltd., Montreal. Monsanto Chemicals (Australia) Ltd., Melbourne. Monsanto Chemicals of India Ltd., Bombay. Representatives in the world's principal cities.*



*Let's  
go  
selling  
with*

**MOULDED  
and METAL  
CLOSURES**

**A**N efficient closure can also be attractive and vital in the sales appeal of the whole package.

We can design and supply plain, fully decorated tin-plate or aluminium closures, cork stoppers and plastic caps from black to the most delicate pastel shade, with exquisite embossing.

When the contents of the container have been used and the label washed off, a distinctive closure will go on telling your story.

**UGB**  
CLOSURE DIVISION

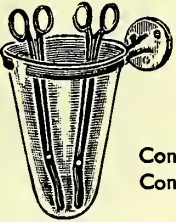
**UNITED GLASS BOTTLE MANUFACTURERS LTD**  
8 LEICESTER STREET, W.C.2. Telephone: GERRARD 8611 (18 LINES) Telegrams: UNGLABOMAN, LESQUARE, LONDON

WHOLESALE

**A. SEARLE & CO.**

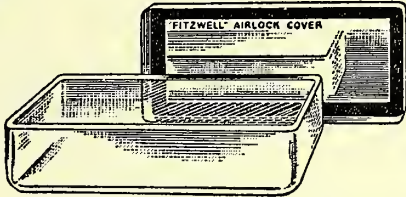
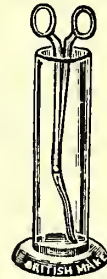
AND EXPORT

**SURGICAL INSTRUMENT  
MANUFACTURERS**



Conical Forceps  
Container

Cheatles Forceps Jar in Glass  
or Chrome Plated



Tray with Fitzwell Air Lock Cover



Medicament Bottle Stand

**A. SEARLE & CO.**

**SERLANCO HOUSE, 245 St. JOHN ST., CLERKENWELL, LONDON, E.C.1**

Telephones: Terminus 1617, 1618

Telegrams: "Serlsurg, Smith, London"

Cables: A.B.C. and Bentleys

**PLANNED TO  
SELL MORE**

**YOU** can sell  
more, quickly and simply, by  
installing Shomore Equip-  
ment. Start with a single  
Shomore unit and add others  
as your profits grow.



**'SHOMORE'**  
DISPLAY

WRITE NOW FOR FREE LITERATURE

**PARNALL & SONS LIMITED · LODGE CAUSEWAY · FISHPONDS · BRISTOL**



*The*  
**BEATSON**  
*Ribbed Oval...*

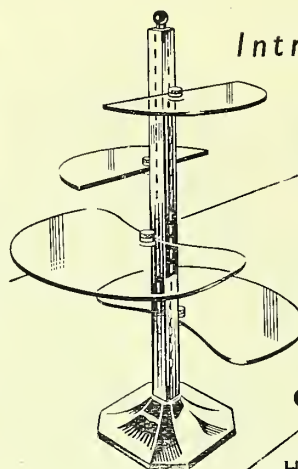
The Beatson Ribbed Oval carries on the tradition of the increasingly popular Beatson Medical.

Available in a wide range of sizes, both Cork Mouth and Screw Neck, with either White Enamelled or Black Bakelite Caps.

*"The Sign of a*  *Good Bottle"*

**BEATSON, CLARK & CO. LTD.**  
GLASS BOTTLE MANUFACTURERS  
ROTHERHAM (Est. 1751) YORKS

BC73



Introducing the  
NEW

**HOKON**

**DISPLAY  
STAND**

WITH  
**CLIP BRACKETS**  
(for individual shelves)

Here's the latest and brightest of the Hokon aids to faster, more adaptable displays. Just one neat Clip Bracket holds each glass shelf rigidly but gently — the bracket's two lugs slot into any position in the Hokon column. Note particularly the prices.

**IN TWO SIZES**

2 ft. high, supplied with two large and two small glass shelves—Circles, Half-Circles, Kidney or Oval. Chrome plated £4.0.0 complete. Brown-Bronze £3.13.6

3 ft. high, with three small and three large shelves  
Chrome plated £6.0.0. Brown-Bronze £5.10.0

**CHURCH & CO. (FITTINGS) LTD.**

16, THE ORACLE, MINSTER STREET, READING

Showrooms. GLASGOW: 77 Queen Street, C.I.

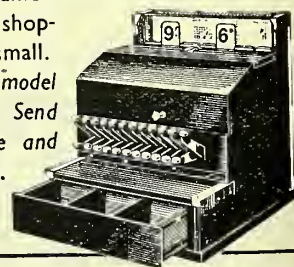
ABERDEEN: 121 Crown Street. LEEDS: 17 Belgrave Street.

## THE WARNING BELL

A ring of the bell on a Gledhill Cash Register is at once an assurance and a warning. Money is either being paid in or taken out. Every time the bell rings five protective features come into operation to safeguard your interests, to check your assistants and to give confidence to your customers.

Gledhill Registers represent the highest perfection in mechanical accounting for shopkeepers large and small. There is a suitable model for your business. Send for fully informative and illustrated Catalogue.

**BRITISH MADE  
FOR 60 YEARS**



**G. H. GLEDHILL & SONS LTD**  
28 TRINITY WORKS, HALIFAX

# STANDARD ROUND BOXES FOR THE CHEMIST—

"LITTLE JOHN"  
DRUMS

— *by* **ROBINSONS**  
*of*  
**CHESTERFIELD**  
*of course*

PILL  
BOXES

CHEPETTE &  
SEALITE  
OINTMENT  
BOXES



ALL AVAILABLE FROM STOCK THROUGH YOUR USUAL SUPPLIER  
**ROBINSON & SONS LTD WHEATBRIDGE MILLS, CHESTERFIELD**

Telegrams: 'BOXES' CHESTERFIELD

Telephone: 2105 (6 lines)

and

KINGS BOURNE HOUSE, 229-231 HIGH HOLBORN, W.C.1

Telegrams: OMNIBOX HOLB. LONDON Telephone: HOLborn 6383



# the first name in hair colouring

Women everywhere know they can rely on Inecto Rapid, the world's most famous hair colouring, to restore youthful radiance to white or grey hair. And the new Four-in-One series, backed by regular advertising on a nation-wide scale, is becoming more and more popular as the easy, pleasant way to bring back glowing highlights to hair that is faded or showing those first grey streaks.

PRICES OF THE TWO CONVENIENT SIZES  
(RAPID AND FOUR-IN-ONE) ARE AS FOLLOWS:-

*Small size (one pair A and B bottles)  
2/6 wholesale (plus P.T.), retailing at 5/6.*

*Large size (four pairs A and B bottles)  
7/- wholesale (plus P.T.), retailing at 15/9.*

*Available through Sangers, May Roberts,  
Butler and Crispe, James Woolley,  
Ayrton Saunders, John Knox and  
all wholesalers.*

## INECTO ENQUIRY BUREAU

27 DOVER STREET, LONDON, W.1  
Hyde Park 7541 (12 lines)



# Maw's Anticolic TEATS



**SELL...**



**and SELL...**



**and  
SELL!**

Now available in unusually attractive  
display-box. Keep it well to the fore  
—and see sales soar!

**Retail Price 8d. each**

**S Maw Son and Sons Limited  
Barnet England**



*larger  
tube  
lower  
price*

Corvette Brushless is being supported by an aggressive selling policy to back the Chemist.

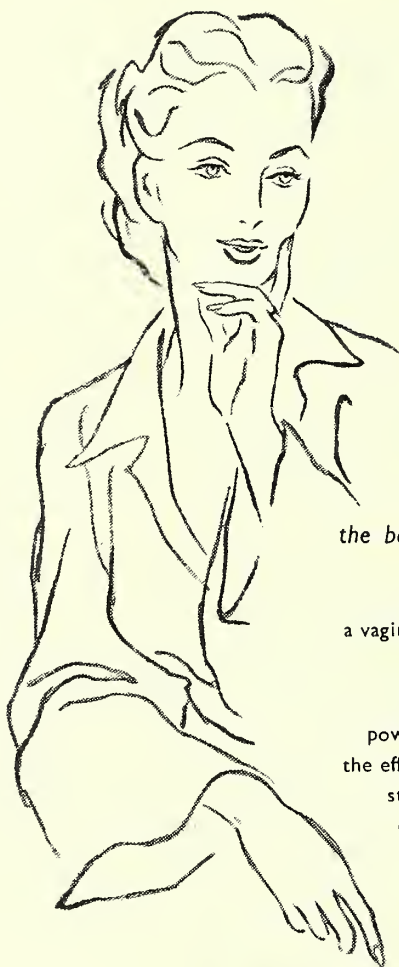
Special additional advertising, devoted to the brushless cream, starts in June.

Special new window and counter displays for Brushless available now.

*Inton*  
**Corvette**  
R U S H L E S S

now only **2'6**





*Preceptin*<sup>REGD</sup>  
VAGINAL GEL

the **simple, dependable** method  
of conception control  
that **needs no diaphragm**

*the barrier is built into the synthetic base*

For the countless women who cannot or will not use a vaginal diaphragm, Preceptin Vaginal Gel offers a degree of effectiveness in conception control hitherto unequalled.

Its simplicity of application combined with its powerful new spermicidal system continues to confirm the effectiveness rate recorded in initial clinical studies—demonstrating contraceptive dependability greater than any previously recorded for combined techniques.

*Applied with a  
measured dose applicator*



**Preceptin vaginal gel** is available as follows :

**Preceptin vaginal gel** Package "A" (3 oz. tube and applicator)

Retail price **9/6**

**Preceptin vaginal gel** Package "B" (3 oz. tube only)

Retail price **7/-**

*Supplies through your usual wholesaler please!*

**Ortho** *Pharmaceutical Limited*

HIGH WYCOMBE · BUCKINGHAMSHIRE · ENGLAND

*Makers of Gynaecic Pharmaceuticals*



*widely indicated . . . wisely prescribed*

*Enquiries invited for—*

**ASPIRIN and  
ASPIRIN TABLETS**

**BARBITURATES**  
QUINALBARBITONE SODIUM    CYCLOBARBITONE    PHEMITONE  
BUTOBARBITONE    AMYLOBARBITONE    HEXOBARBITONE  
ALLOBARBITONE · PHENOBARBITONE · METHYLPHENOBARBITONE ETC.

**OXYQUINOLINE  
and Compounds**

*Manufactured by:*

**PIERSON, MORRELL & CO. LTD.**

*THE ORIGINAL BRITISH ASPIRIN MAKERS*

Telegrams: Pierson Morrell Barnet **BARNET, Herts.**

Telephone: BARnet 0723

**NIPASOL-M**

**B P C STANDARD**

The original British made preservative and antiseptic with its wide use for pharmaceutical and cosmetic products.

*Our Service Dept. will gladly co-operate  
with you on all technical problems.*

**NIPA LABORATORIES LTD**  
**TREFOREST TRADING ESTATE**  
**Nr. CARDIFF** TEL TAFFS WELL 128 & 150

*Sole Distributors for the United Kingdom*

**P. SAMUELSON & CO., ROMAN WALL HOUSE, 1 CRUTCHED FRIARS, E.C.3.** Telephone: ROYAL 2117/8



## PORTRAIT OF A BEST-SELLER

Andrews has the largest sale of any effervescing saline in the world. This is because:—

- The public have confidence in it.
- It has never been sold by exaggerated claims.
- Its packing and keeping qualities are guaranteed.
- It is advertised by a powerful national campaign.

**Andrews**  
for **INNER**  
**CLEANLINESS**

GT33/43/53

# SUMNER'S

*of Liverpool & Cardiff*

for Prompt Service  
and Personal Attention

**DRUGS**  
**GALENICALS**  
**PROPRIETARIES**

Makers of

**Vitasac**

The Perfect Baby Food

40 HANOVER STREET • LIVERPOOL 1  
Telephone: ROYAL 6644  
1 FITZALAN ROAD • CARDIFF  
Telephone 29147



*for fine chemicals  
especially:*

**ASPIRIN B.P. "FRE-FLO"**  
**SALICYLIC ACID B.P. & TECH.**  
**SODIUM SALICYLATE B.P.**  
**SALOL B.P.C.**  
**VANILLIN 100%**

**H. W. GRAESSER-THOMAS LIMITED**  
49 LEADENHALL STREET,  
LONDON, E.C.3  
TELEPHONES: ROYAL 3011-6111

# Promedico produce 2 real profit makers

## THE PROFOL SOLID FUEL COOKER

Complete with  
20 tablets



Here is a smash-hit out-of-doors summer seller! In a neat eye-catching 4 colour pack (4" x 2") is a most efficient metal solid-fuel cooker stand (which can be put together in 30 seconds) with 20 solid-fuel tablets (the only British made non-poisonous tablets made to-day). There is a tremendous market for this line—campers, holiday-makers, motorists, yachtsmen, hikers, picnickers, etc., etc., and it is going very well. Retail complete at 3/-. Extra fuel tablets 2/- for 20.

Send your enquiries early.

Sole Distributors for the Hardware  
—and Camping Trade  
OPTIMUS LTD. 99 Turnmill Street,  
London, E.C.1



## PROMOL MOTH RINGS

in a NEW attractive  
star-spangled wrapping

These fine sellers will 'go' better than ever in their new sparkling packing—red, white and blue, with silvered coloured stars. The aroma is pleasant and there are no fumes to affect the packing. Price to retailers 48/- a gross re-tailing at 6d. each.



Eye-catching  
red, white and  
blue counter  
display.

PLEASANT ODOUR  
CONTENTS CANNOT  
AFFECT WRAPPING

First class seller

8 rings  
in 6d. packet



Send your enquiries now for prompt attention.

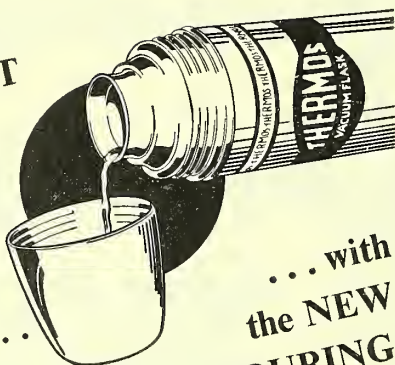
## PROMEDICO PRODUCTS LTD.

21/22 Turle Road, London, N.4. Tel: ARChway 2771. Telegrams: Promella. London



By Appointment to the late  
King George VI

MAKING  
A PROFIT  
IS A  
PICNIC  
all the  
year  
round . . .



... with  
the NEW  
EASY POURING  
FLASKS!

First again, Thermos presents the  
vacuum flask with the easy pouring lip.  
Just look at its revolutionary advantages.

- Perfect pouring.
- Added protection.
- Snug neck seal.
- NO INCREASE IN PRICES.

**THERMOS**  
REGISTERED TRADE MARK

All Thermos Brand vacuum  
flask models have the new  
pourer lip. Order right away  
to reap the benefits of the de-  
mand created by this new fea-  
ture and fostered by National  
Advertising.

Stocked by wholesalers throughout the country

**Mitchell MIXERS**



... for the  
pre-emulsifying  
of creams

and for mixing  
medicines,



hand lotions and  
calamine lotions

L. A. MITCHELL LTD., 37 PETER STREET, MANCHESTER 2

Telephone :  
BLackfriars  
7224 (4 lines)



MX.54

# The shaving brush with the TWO YEAR guarantee . . .

We cordially invite you, when in London to  
visit our showrooms at:—

92 Regent Street, London, W.1

(one minute from Piccadilly Circus)

and see our range of 250 Pure Bristle and  
Pure Badger Shaving Brushes to suit all markets



Write for illustrated brochures and price lists

**THE PROGRESS SHAVING BRUSH CO. LTD.**  
Mottram St., Stockport, Eng. 92 Regent St., London, W.1



**C. Olley  
& Sons Ltd.**  
EST. 1844

**CORKS,  
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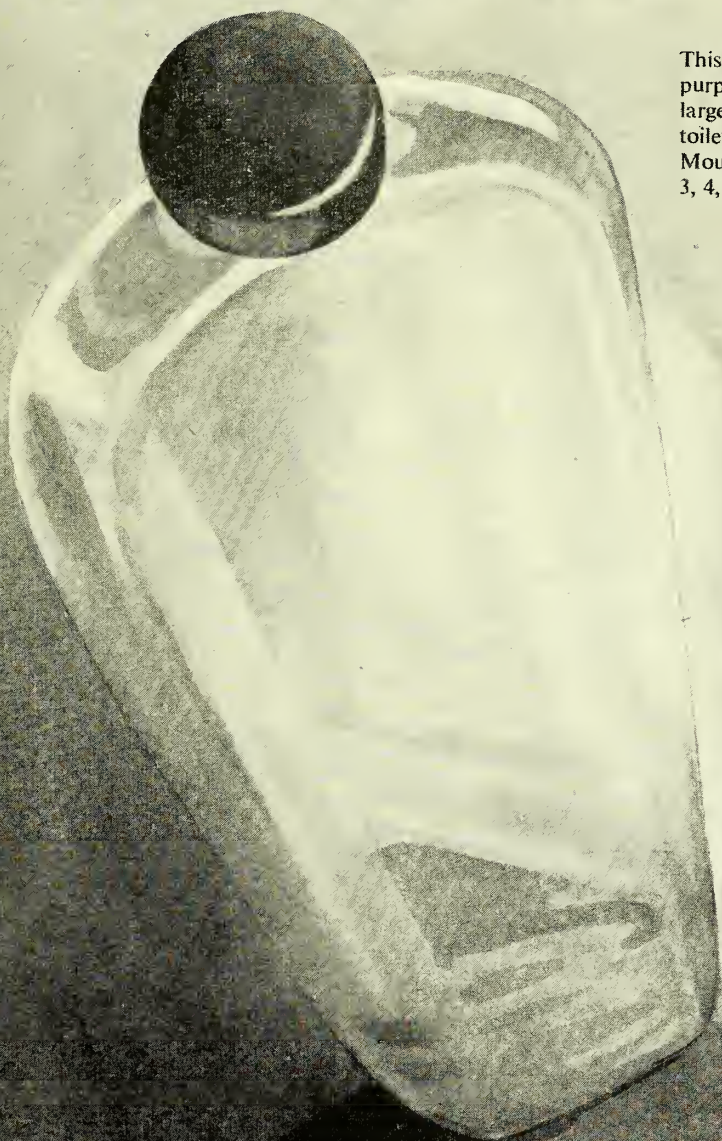
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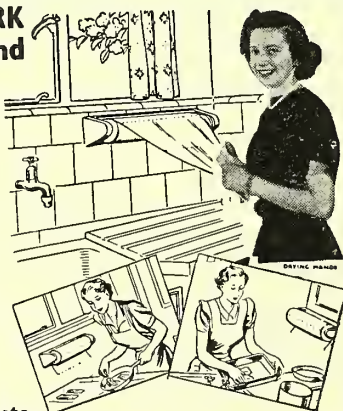
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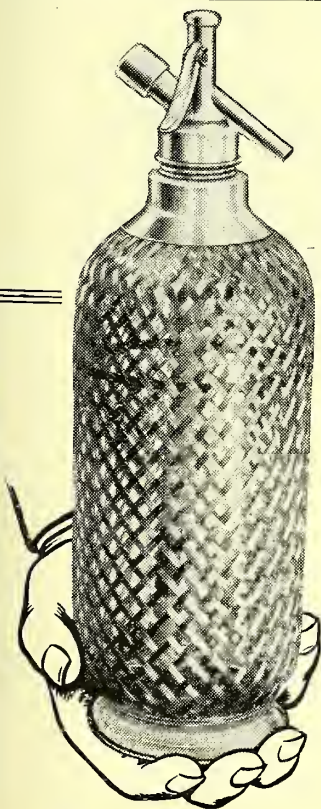
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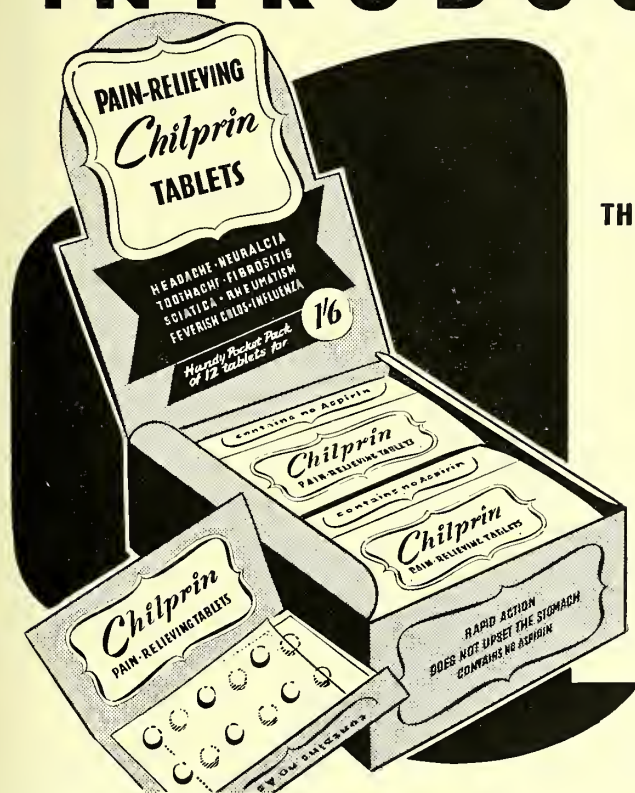
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**BOOTS THE CHEMISTS** have vacancies in a number of districts for qualified assistants, male and female. Salary according to age and experience. Engagements on a permanent basis, good prospects, eligibility for pension, life assurance, etc. Applications should be made to Retail Staff Department, Station Street, Nottingham, stating age, experience and district preferred. C 6985

**DISPENSER**, part-time (Hall Certificate) afternoons 2.30-5.30 p.m., Saturday 10-12.30 p.m., required by partnership of doctors. Light work, suitable married or semi-retired person. Apply Dis. Duncan & Partners, 12 Addiscombe Rd., E. Croydon, Cro. 1213. C 1308

**DRUG DEPARTMENT.** Lady Dispenser (qualified) required by Gamages of Holborn. Good salary. Pension scheme. Apply 101 Hatton Garden, E.C.1. C 7023

**EXPERIENCED**, unqualified assistant required for dispensing. Also experienced young lady counter assistant. No Sunday, rota or Bank Holiday duties. Good salary and every consideration shown. Apply, Pembro, 69 Loughborough Road, Brixton, S.W.9 (Telephone: Brixton 1475). C 1280

**ISLE OF MAN.** Wanted, assistant, capable energetic lady or gentleman, chiefly counter work for season, or permanency. State age, height, salary required. Commence immediately, or June 5. Apply Frank Purcell, Photographic Chemist, 97 Strand St., Douglas, I.O.Man. C 1244

**JUNIOR**, unqualified assistant, male or female, for dispensing and counter duties, S.W. London family business. Box C 1252.

**LADY** assistant required, with good dispensing experience. Pleasant conditions and district. Please apply, with full details, to Mr. Hewish. Farrants, 13, Station Square, Petts Wood, Kent. Tel.: Orpington 949. C 1303

**LEEDS** (Headingley). Manager (preferably married) required for branch pharmacy, excellent house adjoining with ample room for family, pleasant district near cricket ground, permanent, congenial position with scope for increase. commission on profits, holiday year if required. Please state age, experience and salary required, and when available, to W. A. Wharram (Retail), Ltd., 27 Eastgate, Leeds, 2. C 1283

**PHARMACIST REQUIRED** for one year, either sex, competent staff, no rota. Suit elderly person or one requiring experience. Good salary. Please apply giving full details to A. H. Clark (Maidstone), Ltd., 58-60 Tonbridge Road, Maidstone. C 1300

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**TUNBRIDGE WELLS.** Superintendent pharmacist required for old-established, high-class pharmacy. Ideal conditions. T.S.A. licence. half-day Saturday. Good supporting staff. Suitable for lady or gentleman. Good salary offered to suitable person requiring comfortable permanent berth. Please apply giving full particulars to Miller & Co., 42 Mount Ephraim, Tunbridge Wells, or phone Tunbridge Wells 20015. C 1263

**UNQUALIFIED LADY DISPENSER** required to assist at dispensing and counter work. Knowledge of leading makes of cosmetics advantage. No rota, Sunday or half-day duties. West London area. Please write giving experience, age and salary required. Box C 1298.

**WANTED** urgently by widow a working manager for a country chemist business. Steady counter trade, suit a middle-aged man with old family business knowledge, good dispenser. Seven miles from Colchester. House available. Apply W. R. Gooch, M.P.S., Dedham, Essex. C 1302

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**LOCUMS WANTED**

**DOUGLAS, ISLE OF MAN.** Young unqualified assistant, male or female, required for small pharmacy from approximately June 7 till end of September. No Sunday duty. State salary required and photo if possible. Box C 1305.

**LOCUM PHARMACIST** required for coming summer holiday season. June-September inclusive. Enfield and district area. Rate £18 18s. per week for male pharmacist. Apply in writing to Enfield Highway Co-operative Chemists, Ltd., 112 Ordnance Road, Enfield. C 6937

**RETAIL (OVERSEAS)****HOLDSWORTHS (CHEMISTS), LIMITED  
P.O. Box 20, Broken Hill,  
Northern Rhodesia**

require the services of a young single male pharmacist. Prospects of promotion are good. An initial three-year contract is offered at annual salary of £840, £900 and £960. Free living accommodation. Pension scheme. Passages paid to and from Rhodesia with generous leave conditions. A director is visiting London shortly when an interview can be arranged. Apply to above address. C 7052

**THE UNITED AFRICA COMPANY, LTD.,** require for service in British West Africa a qualified chemist and druggist (English certificate only), applicants should preferably be under age 36. Starting salary £900 per annum rising by annual increments of £50 to £1,050 per annum at the end of the third year. Generous family allowances, free furnished accommodation and free medical services. There is a contributory pension fund which provides certain guaranteed benefits, including widows' and children's pensions and provision for retirement where the qualifying age for a pension is not reached. Initial kit allowance of £75. Colonial rates of income tax, tours of about 21 months followed by substantial leave on full pay. Free first-class passages are provided for men, their wives and children to the age 8. Apply giving full particulars to the United Africa Company, Ltd., Staff Department, Unilever House, Blackfriars, London. E.C.4 C 7044

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**Situations Open—Continued**

**NYASALAND:** Pharmaceutical chemist wanted. Salary £960 plus £60 p.a. to £1,200. Rent free quarters. Four-year tour of service with six months leave. Interview in London. Apply Keep Brothers, Ltd., Gt. Charles St., Birmingham, 3. C 7056

**YOUNG QUALIFIED CHEMIST** (dady) required for retail pharmacy Bulawayo, S. Rhodesia. Excellent opportunity for energetic lady. Apply Box C 6840 stating experience and if possible enclose a recent photograph. An interview can be arranged in England.

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**A LEADING PROPRIETARY** medicine house with nationally advertised fast-selling products invites applications from young men with experience of selling to chemists and/or grocers, for responsible appointment of relief traveller. Must be prepared to travel extensively in this country and ultimately to settle on a fixed territory. Car provided, expenses paid. State salary expected and name of present employer in confidence. Box C 7051.

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**BIOREX LABORATORIES, LTD.** Sales representatives. Due to expansion a larger travelling force is required to call on retail chemists with drugs, galenicals, ethicals, patents, dressings and sundries; pharmacists preferred, car owners with established connection in London and Home Counties. Also industrial representative required. Apply with full particulars to the Managing Director, 47/51 Exmouth Street, London, E.C.1. C 7040

**BURROUGHS WELLCOME & CO.** have a vacancy for a medical representative in Kent. Applicants must be pharmacists and have wide and up-to-date knowledge of modern therapeutics. Previous experience in detailing an advantage but not essential. The position is progressive and pensionable (contributory scheme). Applications (by letter only) will be treated in strictest confidence, should give the fullest details regarding age and experience, and be addressed to the Manager, Home Sales Division, Burroughs Wellcome & Co., 183-193 Euston Road, London, N.W.1. C 7009

**CHEMIST, Ph.C.,** required by London manufacturing chemists. Applications invited from men aged 25 to 35, stating date of qualification and experience in retail or manufacturing trade, also salary required and when services would be available. Box C 7022.

**DRUG-PRICING CLERK,** male or female, required. Good wages, five-day week. Superannuation benefits and holiday this year. Apply London Co-operative Chemists, Ltd., Grange Road, Leyton, E.10. C 1291

**EVANS, GADD & CO., LTD., EXETER,** require (1) a young pharmacist as an assistant in their analytical laboratories. (2) A pharmacist (preferably aged between 30 and 40 years) as representative to call on retail chemists in parts of Devon and Cornwall. Applications in writing should state full particulars of age, qualifications and experience and be sent to: The Secretary, 10 Smythen Street, Exeter. C 7043

**LONDON CO-OPERATIVE CHEMISTS, LTD.,** require cosmetic and sundries charge-hand. Good salary, superannuation scheme. Five-day week. Application in first instance to Superintendent Chemist, Grange Road, Leyton, E.10. C 1290

**FLAVOURING ESSENCE CHEMIST.** Applications are invited by Dubuis & Rowsell, Ltd., for post of chemist to take control essence department. Knowledge compounding, formulation essential; distillation an advantage. Interested applicants please submit summary experience to date to Managing Director, Dubuis & Rowsell, Ltd., Elmwood Road, Croydon. The position offers excellent opportunities to person with all-round experience in the creation and production of flavouring essences and allied products. All applications in strict confidence. C 1316

**MANUFACTURING** pharmaceutical chemists in East Yorkshire require someone with drug-house experience for putting-up and despatch department including responsibility for general supervision of the department. Permanent position for suitable person. Pension scheme. Full particulars including age, wage suggested and copy references to Box C 6976.

**MEDICAL REPRESENTATIVES** required, commencing August, aged 25-35, for Hants and Sussex; Kent; South London; South Wales; Cambridge and East Anglia; East Midlands; Liverpool; Manchester; and Perth and North-east Scotland. The work involves the discussion of ethical specialities with doctors and pharmacists. The successful candidates will receive a course of training; but a good background of pharmaceutical or medical knowledge and previous experience would be an advantage. Residence on territory essential. Remuneration by salary and full expenses, no commission; contributory pension scheme. Apply giving full details in own handwriting to Box C 7024.

**MEDICAL REPRESENTATIVE** required by well-known ethical pharmaceutical manufacturing company for Birmingham area. Applicants must be resident in or near Birmingham. Pharmaceutical background desirable but not essential. Write giving full details and quoting Reference C/1, to Box C 7033.

**MEDICAL REPRESENTATION:** A well-known ethical house require the services of a first-class man to represent them on the territory comprising the Manchester and East Lancashire area. Previous experience is not essential as training and every help is given. The successful candidate will be taking over an established territory and the position is a permanent and pensionable one. Remuneration is by way of salary, commission and expenses. Write in confidence to Box C 7006.

**OLD ESTABLISHED MANUFACTURING CHEMISTS** specialising in essential oils, essences, etc., require chemist for their research and manufacturing laboratories in East Yorkshire. Pharmaceutical qualifications essential and experience in pharmaceutical manufacture and analytical control desirable. Permanent position with opportunities. Salary commensurate with abilities. Pension scheme. Full particulars including age and copy references to Box C 6939.

**REPRESENTATIVES** with good connections with chemists, stores, wholesalers, etc., required by manufacturers of toilet preparations in the following areas:—1, Cheshire, Lancashire, Yorkshire and Counties north the of; 2, All counties south of the line Bristol Channel-Wash (including London with the exception of a few house accounts); 3, Wales; 4, Northern Ireland, Commission basis. Moderate advertising until sales organisation established and thereafter good national advertising. Excellent opportunities for the right men with an eye on the future. Write in the first instance to Scherk, Ltd., 103 Cannon Street, London, E.C.4 giving details of area covered, period between visits, and type of other lines carried. C 7047

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**REQUIRED** by London manufacturing chemists men between the age 25 and 35, with good pharmaceutical background and knowledge of medical nomenclature, to visit doctors, hospitals, dentists and chemists for the purpose of propaganda for ethical products. Territories vacant: London, south of the Thames, Yorkshire-Durham-Newcastle, Scotland (principal cities Glasgow to Aberdeen). Applicants should state age, experience and salary required to Box C 181.

**SALES EXECUTIVE:** May & Baker, Ltd., Dagenham, Essex, invite pharmacists within age group 28-38 to apply for a responsible and progressive position in an Export Sales Division covering Commonwealth countries. This position offers to applicants with sound and varied pharmaceutical experience an opportunity to graduate to senior sales executive status. Initiative and enthusiasm for this type of work are among the qualities required. There is a contributory pension scheme. Apply initially in writing giving full details of experience to the Personnel Officer. C 7035

**SALESMAN TRAVELLERS.** Agents calling upon chemists, having regular and good connections are required for a new nationally advertised toilet product. An easy and quick selling and regular repeat article, top commission paid. Write stating area covered to Box C 1167.

**TABLET MACHINE OPERATOR** required to supervise compressing section, £450 p.a., bonus and pension scheme, 5-day week. Apply, Pharmacist, Sandoz Products, North Circular Road, Stonebridge Park, N.W.10. C 1293

**THE BRITISH DRUG HOUSES, LTD.,** require a woman pharmacist in their dispensary. The position would be suitable for a recently qualified woman pharmacist or a young graduate wishing to obtain practical experience. Apply in writing stating age, experience and salary required to Staff Manager, GMG/HGR M.3175, Graham Street, City Road, N.1. C 6972

**WHOLESALE (OVERSEAS)**

**EAST AFRICA.** May & Baker, Ltd., Dagenham, Essex, invite applications from single pharmacists aged 26-33 to fill a new position at their Nairobi Branch Office. Representative experience in the ethical field will merit preference. The duties will include dealing with commercial and technical correspondence. Full training will be given in the U.K. prior to a three-year contract. There is a contributory pension scheme. Write giving full details to the Personnel Officer. C 6952

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Agency Dept. **PENHAS INVESTMENTS LTD., P.O. Box No. 546**  
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**MEDICAL REPRESENTATIVE**, pharmaceutical specialties, well-experienced, medical background, best connections doctors, hospitals, London area, able to introduce new products to the medical profession, seeks position with manufacturers. Apply Box C 1295.  
**PHARMACIST** with initiative and proved success in manufacture and presentation of ethical pharmaceutical products requires situation London or Home Counties. "Chemist," 66 Cherry Orchard Road, Croydon, Surrey. C 1297

**REPRESENTATIVE** (50), sound connection wholesale, retail chemists, departmental stores and co-ops, London, perfumery, desires change. Own car. Box C 1321.  
**UNQUALIFIED MAN**, well experienced retail, good personality, tall, requires position as representative. C. Francis, 55 Olyffe Avenue, Welling, Kent. C 1309

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**WHOLESALE DISTRIBUTION** required by old-established firm of manufacturing chemists, well advertised proprietary medicine. Territories Northern Ireland, Scotland, parts or whole of England and Wales. Box C 1314.

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**SOUTH AFRICA AND RHODESIA**. Pharmaceutical chemist with considerable and established contacts open to discuss representation of a British manufacturer of pharmaceutical or ethical products not already on the South African market. Personal interview in London during July. Replies in confidence. Box C 1319.

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